

<223> Clone ID: 700903907H1

<400> 26950

aacaaaattg caacaacaat tgagcttccg ttgaagaaat aattgttatt ttttttttct 60
tcttcttgga ttttgatttt tttttattat ctaattgtac gttcagatga gtttgagtat 120
gagcttgtgc ggtaattaca gtcttcagct tcaaaatcgc agaatcgtaa gctgcaatct 180
tcaccaggat ggcaggcata ttgttcccat caatacgcac caaaaacctt ccaaacctga 240
aaa 243

<210> 26951

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700903911H1

<400> 26951

tccatttcca tttctctctc ctcaagttcc aagaatctta agctatggga aagtcttacc 60
caaccgtgag cgctgattac cagaaggccg ttgagaaggc gaagaagaag ctcaagggtc 120
tcacgcgtga gaagagatgc gctcctctaa tgctccgttt ggcatggcac tctgctggaa 180
cttacgacgt gagctcgaag accggtgggc ccttcggaac cataaagcac ccctccgaac 240
tcgctc 246

<210> 26952

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700903912H1

<400> 26952

tagtaaccct tcttttctct ctctctctct cgtgttctga gctgctagaa gcaatgggga 60
ggcaaagaag ccattgcttct ttcaccatgt ttgcaatgct tgttgattg ctctctcaga 120
gccttgtcat gcctgtaata tccaccactg ttgcagatca gaagaactac tacacccag 180
atccacatgc tggaagtccc cccacaggct cacacaatag tagtcctcca tctcatggcc 240
atggga 246

<210> 26953
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903913H1

<400> 26953

gcagaaagca agctcatcct agagttttaa aaatggcagc agcctctctc atggctctct 60
 cttccccatc cttggctggc aaggccgtga agctgggccc atcagcccc gaagtcggga 120
 gggtcagatg aggaagaccg tcaccaagca ggcctctctc ggaagcccat ggtacggccc 180
 agaccgcgtc aagtacttgg gccattctc tggcgagccc ccgtctacc tcaactggcg 240
 gttccca 247

<210> 26954
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903914H1

<400> 26954

gagaagcatc gccgactgtc aaatgctttc attaggcaga atccaggttt gttggagaaa 60
 tcactttcca tgatgtcaa ggcaccaagg ctgatagact tcgataacaa gagagcctat 120
 ttccgctcaa gaataaggca acaacatgac caacacttgt ctgggccatt gcgtataagt 180
 gtaaggcggg cttacatttt ggaggactct tataatcagc taaggatgcy tcctactcag 240
 gatctgaag 249

<210> 26955
 <211> 242
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903917H1

<400> 26955

ctaagtgtga gagaaagaaa atgccaaagt ctcaatttcg aaccccatctt cttgtttctt 60
 tatctctatt gttattcatc ttcaacctca ccccttcata cgcactctat ggagcatcca 120

attcacagct gtcacgccgt taacggaaaa tggcaacggc gagacgcagt ttcccgcta 60
 tcaccgaatg caacggaacg acaccgtgag agtctgtggc cgccgacctc gacggtagcg 120
 tctcatctc ccgtagctcg ttcccgtaact tcatgtctgt cgccgtcgaa gccggcagcc 180
 tcttcggcgg cctcactctc ctctctctcc ttccgttctg catcatcgcc tacctcttca 240
 tct 243

<210> 26959
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903923H1

<400> 26959

accgggtgga tactttgttt ggacatcacc actcacaat gctcgtaaca aagagaatca 60
 gaaaaggtgg aagtttatac aggattttac attaactt tgctgggagc ttctgtcaca 120
 gcaagatgaa actgtcgat ggcagaaaac tagtaaaaaa agttgctatg catcaagaaa 180
 gtctggttct ggcccttctt tgtgtggtag aggtattgat gtggagactc cctattatca 240
 gaa 243

<210> 26960
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903926H1

<400> 26960

caatgtcgaa cgggtactac gaagggagga agagcagcag cgccgtcgcg gactacgaat 60
 ctacgcagca cgagcggcac ttcaaacgga ggccgtcgag gtacgagccg tcgcccccg 120
 cgcagccggc ggagtgggag gaggaagggg ggcattcgag aggaacgagg gagcggagc 180
 ataggtgact tgcaattttg atagagttgt gccggcagcc attctgcaa cgacgaaggg 240
 a 241

<210> 26961
 <211> 244

<212> DNA
 <213> Glycine max

<223> Clone ID: 700903927H1

<400> 26961

gtgagagtgt gagtgagata gagagagacg cttcgcaaat ctcaatcgaa tctcagaaaa 60
 atgagagaaa tcatacagcat tcacataggt caggccggga tccaggtcgg aaactcctgc 120
 tgggaactct actgcctcga acatggcatc cagcccgcgc gcatgatgcc ttctgactcc 180
 accttcgggtg tagcccacga cgccttcaac acctttcttca gcgcaaccgg atctggcaag 240
 cacg 244

<210> 26962
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903930H1

<400> 26962

gtttaaacct aattctcatt tcttcatcgt tcgattcttc tcctcctaaa gatgcagatc 60
 ttcgtgaaaa ctttgaccgg taagaccatc acccttgagg tggagtcttc cgacaccatc 120
 gataacgcga aagctaagat tcaagacaag gaagggatcc cacctgacca gcagagactt 180
 atctttgcgg gtaaacagct tgaggatggt cgaacccttg ccgactacaa catccaaaag 240
 gaatc 245

<210> 26963
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903934H1

<400> 26963

gcttaaaaag cccaagaaat ttggcttgtc ttggacgatt aactggatct gcattattct 60
 tggggtaatg ttgatgatag tatctccaat tgggtgctcta aggaatatca tattatcggc 120
 caaaaactac gagttcttct cataaactat tgatgcaatc attgattccc caaccgattt 180
 taaagttgat gagtgaact aaataacaag aaagcacgca gacatgcgtt atacattgaa 240

tataga

246

<210> 26964
 <211> 241
 <212> DNA
 <213> Glycine max.

<223> Clone ID: 700903938H1

<400> 26964

atccccccct cattcccttac attagattca ttttcaaagt cattgacata gattatgttg 60
 gtggagagtc tagtgaagag atgaagtcac gggaattgtg ggggtggaat ggcaggccct 120
 tttgctccaa gggaacttgg catattgctg tgcaacatac caaaaattta tccatagaga 180
 tgcattgagtc cgagtttgtt gttcttttga ttgggacata tagtggtttt ccacacattc 240
 c 241

<210> 26965
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903939H1

<400> 26965

aaaaaatggc agcagcttct tccatggctc tctcatcccc atccttggct ggcaaggccg 60
 tgaagctggg cccatcagcc ccagaagtgg gaaggggtgag catgaggaag accgtcacca 120
 agcaggtctc ctcaggaagc ccatggtacg gccagaccg agtcaagtac ttgggcccac 180
 tctctggcga gcccccgctc tacctaaccg gtgagttccc aggcgactac ggctgggaca 240

<210> 26966
 <211> 219
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903941H1

<400> 26966

gtgaagtggg aaacaatgct agcttcttcg ctctccttcc tccattcttg cacatcccc 60
 tcttccccct ccttattgtc aatttcacct ccaaaccaca aacctctca cttcctacct 120

ttcgtggtcg aagccaaaga caggacccgc aggatagaca ggaccggctg ccacactcg 180
 agcagaaaga aggacgaagg gacgcccag aggccgagg 219

<210> 26967
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903943H1
 <400> 26967

ggcacggcat gtgggagtgt gtggacttct tccctgtgtc caaggagaat gagaatggat 60
 tggatacttc tattagtggg gctgaggtga agcatgtgat gaaggtgagc ctggatgatg 120
 atagacatga ttactattca attgggactt atgatgagaa gaatgttctg ttcacaccag 180
 atgatgcgcg gaatgatgtt ggcgttggat tgaggtatga ctatgggata ttctatgc 238

<210> 26968
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903945H1
 <400> 26968

tgaaaaacga ataagaaaaa attggatgag tgatacattt cttggcagac acttgactga 60
 atctgagaat tcagagtgtga gaatccattt acatcagaag aattcgtcag tgaaagaatc 120
 gttttcttca gatctcacia ttagagtgcg atggaatata tagggattga tctaagctgc 180
 gccgttggat ctctccgcca cggccagttc ccggagaagg attgcttgct ccctctcatt 240
 tcca 244

<210> 26969
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903947H1
 <400> 26969

ctcgagccga atcggctcga gaggaaatac tacgggagtg gaaaaacaaa ggaagcacca 60

cggagagaat cacagcttaa cgggttgac aattttctcg tggaaaaaga ggaagaaatt 120
 gtgacggccc tcaagcatga tttggggaag cattacgtgg aggcttttag agacgagctt 180
 ggaacattaa tgaagacctt aaacttggca accaagtctt tgacaaattg gatggcgggg 240
 aaagagg 247

<210> 26970
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903953H1

<400> 26970

cagcagctta aatgcagagt tagctttgga caaggggtgtg gacagttgat catacaagta 60
 aaaggatgga aaagcattaa agtaggattg aaaatatatc actgaagaaa taaaacaaaa 120
 agagtttatt taaattgagt gttccattta tttatttttc atatttttac gtgtatccta 180
 acgtttcttg gaggcttttg atttgggggtg aaaaaattgc tttgcttact at 232

<210> 26971
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903957H1

<400> 26971

gttggttgaa gggtcgtgat catgatcaag gtgacaatac tttccatggc ttggcaccgc 60
 tacaagggtt gcgagtggaa ggggatagta ataataatat tgggtcaaaa gaagtgaaag 120
 gtgaaggaca aaacaggttt gagtggagca ataataataa caacaacaac aacaatgggtg 180
 gtgggtgtca aaccacatg cgtcatctgg ttttgaccac caccaccatt gttgttgt 238

<210> 26972
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903958H1

<400> 26972

gagttagtga atctcaacaa gtgagttccc tcttgcaggc tgccgataac tggttaaggc 60
 tagttcaggt tcatcaccgc gattttcagt tctttaaatc acatggcaca taccatagat 120
 gaactgcatg agacgacatg tctttcctgc ttttggctaa aactgagcct taatttctgt 180
 gttcattgct tggtgcaaac ttgataaaaag tccatccatc tgtagagatt gtgatggcg 239

<210> 26973
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903959H1

<400> 26973

cagagagtgg tttcagtgag tgatcgggtg tcaactgatc cttcataagt tctcatcatc 60
 atcatcatca tcaccgttga ttgaagaaga tgccgatcag aaacattgcc atcggaaggc 120
 cgaagaggct actcaccgcg acacgttgaa ggcgggggtg gctgagttca tctccacctt 180
 gatcttcgtg ttcgccggtt caggttcgcg catcgctac aacaagctca ccgacaa 237

<210> 26974
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903905H1

<400> 26974

gtgaaagtga gacaaaataa aaatcaaaga gcataatgtc agggatcatt cacaagattg 60
 gggagaccct tcatgtggga gggcacaaga aggaggagga gcataagggt gagcaccatg 120
 ctggagaata caaaggggag caccatggtg aacacagtag tgagtacaaa ggagagcatc 180
 atggtgaaca caaagctgga gagtaccatg gtgagcacia gccagagcac aaagaggggt 240
 tcctag 246

<210> 26975
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903863H1

<400> 26975

agcagacaag catccagcgc agcatccacc acgtccgcaa aaatcccaca ccgcttgctt 60
cccttgcccc tccccctctt cacatcaaat ccatttcgcc aaatttcaca tcaactcttca 120
caaacagaaa aatagtcttc cgctgccggc aatcctaggt ttccgggtgac gatgctcccc 180
tacgcttcca tcccgagggc cgtggcggcg ctgggtcgca acctcacctt cgcggagacc 240
ctctggttca ctactc 256

<210> 26976

<211> 208

<212> DNA

<213> Glycine max

<223> Clone ID: 700903864H1

<400> 26976

ctcgtagtc gtttgtaacg cctttgtttg cgttttttgc acagcagaat taacacgtat 60
atagcaagca tggcagtcac actctacgac cttagctctg cctctggggt gaagaagctt 120
gatgagtacc ttctcccacg cagctacatc acccggtagc aagctacaaa ggatgatctt 180
actgtctatg cagctttgcc aactgctc 208

<210> 26977

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700903866H1

<400> 26977

cacaattcag gtttcattaa atatttatgt gacaaagatg ccgctgttca gttatgggag 60
tcgtagtatg gcacctcagg taaaaaatga ggtattgata cctggtgagc aaaatagaag 120
cattgatatc ctggatattg ccggtgatag aactttggtt tctgatgttt cacggtcagc 180
tgtagatatt aataaccagg tgtcttctct accattagcc gtgcatagtg gtagaggcag 240
ctttactgcg gctaattaac ta 262

<210> 26978

<211> 255

<212> DNA
 <213> Glycine max

<223> Clone ID: 700903869H1

<400> 26978

cttttcttcc cccaccttct ctccgtggaa gcgtttcgct gtaaacgaca acaacaagga 60
 gagtgacaac ggcgatgttt tgactgggtt ggatgaagtt gagaaagagg cgcgtaggaaa 120
 tagcaccatg cccgaacgct ttaggtacct cgccaaagaa gttccgagtc ttctgttag 180
 gtggccatgg cttgtggtac tggcttttct ggtctatgct tggagagctg ttctatttga 240
 actgtcaact ggaag 255

<210> 26979
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903872H1

<400> 26979

gtgatgactc attaattaat ttgtggattt tattccgcta tctggttatt gggatttatg 60
 ttggattagc tacagttagt atcttcatca tatggtatac acatgggtcc ttctttggta 120
 ttgaccttag tggggatgga catactcttg tgacttacac ccaacttgcc aactggggtc 180
 aatgctcttc atggcagaac ttcactgctt ctccattcac tgctggtgct aaaacaatca 240
 cgttgacaac 250

<210> 26980
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903873H1

<400> 26980

aaaatatgtt tgagttttta cggaattcc tacattttga tggacaaaat aagaaaaaga 60
 aacttattac tttagaagta aaagtattat ttaactctct caagaagaaa catatatatg 120
 aaatttgta ttatgctttt gtattggttg gttttatttt gcagttttgt acttggtcat 180
 ggatattgag gtggagatct ggtttaatgc cctttgtgga taattaattg catttgattt 240

cgggatga

248

<210> 26981
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903874H1

<400> 26981

aaagattcaa caatggcctc tgcttctgct actcttctca agtcatctcc tgttcttgac 60
 aagtgcgagt gggtaaagg ccagaccctt cgccaacctc tcgtgagatg taacccttcc 120
 tcagcatcag ctctcaccat caaagctgct tcctatgctg acgagctcgt caaaaccgcc 180
 aaaacagtgg cctcaccggg gcgtgggtatt ttggcgatgg atgagtcaaa tgcaacctgc 240
 ggaagcgtt 249

<210> 26982
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903876H1

<400> 26982

ctaaaacatc tccagtgggt tcttcttctt ctattacaac tacgtcatatc aataccatga 60
 ccatggccat ggccacgatc ctgctcctgt tcacggctctt cgcggtttca tcggccctag 120
 acatgtcgat aatctcgtag gacaacgccc acgccgccac gtcgcgtagc acagggagct 180
 gatgtccatg tacgagcagt ggctagtaaa gcacggcaag gtgtacaacg cgctcggaga 240
 gaggagaa 248

<210> 26983
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903877H1

<400> 26983

tagaagagta caaacgtctt gcaaagaatt ggagcaaaat gaaagggtt aaaataccaa 60

agaagggtga aatgagcgcc ttatcccgaa atatgaatgc tcagcacatg agcaaagtcc 120
 tccctccaca gatgctaaag caaatcggag gcatgggtgg gttacaaagc ttgatgaagc 180
 agatgggatc tgctaaagat atgatgggaa tgtttggtgg tggtgataat tagattgact 240
 gtggcatatg a 251

<210> 26984
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903878H1
 <400> 26984

gtcgggtgatc ccctttctcc ttccttctct gagagacaat gacaatgacg tgggcgcgat 60
 tcgattcgtg gaagcagcaa tactacacca caagcggcgt ggtggtaggt tacgcagtat 120
 gctccagcct cctggccatc atcaacaaat acgccatcac caaattcaac taccaggcc 180
 tcttaaccgc gctccagtac ctcacctcgc cactcggcgt ctacgtcttt gggaaattag 240
 ggttctccac 250

<210> 26985
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903879H1
 <400> 26985

aattggctaa tgttcctcct aattccactg tgtactacga agctgagctg ctttcctttg 60
 taaaggaaaa ggaatcgtgg gatctgaata cacaagagaa gattgaggca gctgggaaga 120
 aaaaggaaga agggaaatgcc ttttttaagg ttggcaaata tgaaagggct tcaaagagat 180
 atgaaaaggc cataaagttt gtcgagtatg attcctcctt tagtgatgag gagaacagca 240
 tacta 245

<210> 26986
 <211> 254
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700903880H1

<400> 26986

ctcgtttcac atgggttccc caataccana agagatcggt gcagagattc ctacctatat 60
 cagagtcttc agcgacggca ccgtggaaag gccaagagaa acaccctttg tgccaccctc 120
 aattgatgac cctcaaaccg gagtctcatc caaagacatc gtcattctcac aaaaccctt 180
 agtctctgct cgaatttacc ttccaaaact taccacaata aatcaagttc ccatcttggt 240
 cttctttcac ggtg 254

<210> 26987
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903882H1

<400> 26987

ctctctctag agtaattgag gaatcagcta gaattttcta ataatggcca aagacgttga 60
 gcagggttaca gagcaagggtg aatactccgc gaaggattac catgaccacac ctccggcgcc 120
 gttgatcgac ccagatgagc tactaagtgt gtccttgtag agagccgcca tagctgagtt 180
 catagcaaca ctctttttcc ttacatcac cgtgttgacc attattgggt acaagagaca 240
 gagtgcacac aaatccccgg t 261

<210> 26988
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903883H1

<400> 26988

tgttagaagt agtgaagaaa atgaaagtca ttgttttctt cggttgctata ataattttag 60
 gtgcagaatg gcaatgcaat gggtcagagc aggagcatga gcatggccac agctacaaaa 120
 ttttcccttt gcgaatgaaa accggccccg gtggccacta cattccggag gtatcgtgca 180
 aaagttggag gcttggtgtg gaagcacaca acgtcattga ctggagaacc attcctcaag 240

attgcgaggg atatatagga

260

<210> 26989

<211> 124

<212> DNA

<213> Glycine max

<223> Clone ID: 700903884H1

<400> 26989

aacctccaat ggtacagcag attcaagttg ttctgccaga aatattaaat cacctggcct 60

cattccatta ttatgactaa atttacacgg gattcaaata agaaatgatg agtaaatttt 120

ctga 124

<210> 26990

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700903885H1

<400> 26990

ggcatcttgt gttgtgtccc tgtgttaagc tatttccttt tcttaacaca attggttgtg 60

ccaattgccca tagtcaccaa ccaattaaca aaggtatata tatcatcata tcatcaccaa 120

atgaaaaata ttgggttgtt ttttcttgtg gtgggtggcta cttttgtggg ggcagccaca 180

gctggtagct tttaaccaaga ctttgaaata acgtgggggtg gtgagcgtgc caaaatctat 240

gagaatgaaa 250

<210> 26991

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700903886H1

<400> 26991

ggtgcttctc gagtccgcga tttattcagg aaggccaaag agaatgcccc atgcattgtg 60

tttgttgatg aaattgatgc tgttggaagg caaagaggta ctggaattgg tggaggggaat 120

gatgaaagag aacagaccct caatcaactt ttgacagaaa tggatggatt tgagggtaat 180

accggtatca ttgtcattgc agctactaac aggggttgaca ttcttgattc tgcattgtta 240
aggcgggacg 250

<210> 26992
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700903887H1

<400> 26992

ctcagcacia caccctctct aaccctcttt ttctcttaat ttctcatcat atcatatcta 60
ttaatcttac acatatatta agacatagat ataatttttt tcgtttttatt tttccttgca 120
tgggctgtta agataagatg tctcgacagt gctcacagtg cggcaacaac ggccacaact 180
cgcgacatg caccgacggt ggcgcgcgcg cttcctgcgg cgggtctccc agggagaacg 240
gcatcatgct g 251

<210> 26993
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700903888H1

<400> 26993

taggtttcct ttccgcgcct cctcctccac ctgctcatgc tctgtctccc aaaaagagtg 60
atgttgctga aagcgaaagg gaaagcgata ccgatggcga aagtgagagc ggaagcgtcg 120
caatatctag aaagggaatc cgcagatcgt cgttggataa aagtcaacat gattattgtg 180
atagcagcca tcttccacca gtggtttcct cccaagctag ccgcaaaagc agcaccagat 240
cag 243

<210> 26994
<211> 73
<212> DNA
<213> Glycine max

<223> Clone ID: 700903889H1

<400> 26994

acaaaaaatg tgtgtccatg gagaaaaact ctgttgatta tagtccgttg caggctcctc 60
gaggtgatga aac 73

<210> 26995
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700903890H1

<400> 26995

aaaaacctct ctcagagggt gctcaccctt actcttcttc cagtctctat ctcaatctcc 60
atcaaattta actattgcta ctgaagagggt tttggttgat gaaatcactt accctaccaa 120
gatcactact accaagcccc tatctttgct tggccatgga atcaccgaca tggagattca 180
cttcatecat gtgaaattct attcaatcgg ggtttatttg gagccagaag tagtaggcca 240
ttggacc 247

<210> 26996
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700903891H1

<400> 26996

gagccttcga agttagtggg cagcaagagc tcaagacatt tcgagtagaa acagtaacga 60
tgccctcagtt gctgtcactg ctgcattgga aacatgctga gccataaaat gagctgatgc 120
acgagtgagc cttatcgat taagcactcc agtgggacaa attattttcc agtttgaaag 180
tatcatcagt tggttcatcc ccataaacca cattgaggaa ttcatgcatg gttggggg 237

<210> 26997
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700903894H1

<400> 26997

gagccttcga agttagtggg cagcaagagc tcaagacatt tcgagtagaa acagtaacga 60

tgcctcagtt gctgtcactg ctgcattgga aacatgctga gacataaaat gagctgatgc 120
 acgagtgagc ccttatcgat taagcactcc agtgggagaa attattttcc agtttgaaag 180
 tatcatcagt tggttcatcc ccataaacca cattgaggaa ttcatgcatg gttggggcctt 240
 gctttgtaac a 251

<210> 26998
 <211> 210
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903896H1

<400> 26998

gtcacggggc aagatggacc cgaacgcgaa ctggaacagt ttcatatcat agaaatcaac 60
 aaactcctgg gtccgtcagt tctcatggaa gtgccccttt gccggggaga aaagctcaga 120
 cgggtgaatgg gaactacttg ctgaattttc aatatgaccc aatatcccgt tctcaaccac 180
 ggggtcctcc tccttctcca cacagacata 210

<210> 26999
 <211> 172
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903901H1

<400> 26999

acagagatga aaaatactca aaaagataga ctaatttccg gggtttcggt tatagcataa 60
 acttcacttt atttcttttt tataaaaaga aaaccataga ttatcgctat cttatatctt 120
 attccgggtc tcagattcaa ctgtgaggaa gaaaaaggtc tccacacaac at 172

<210> 27000
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903862H1

<400> 27000

cagctatact caaatctgtc gggatggatg cactcaattt tgccaacata tgctgataga 60

agcatgtgtg aatgccaaaa atgcctttta taaatcactt tttgaatgat attttgtgtg 120
 agtttttcta ccatttaagt gcattttctt ggcaaaaatc acgtttgaac actagttttg 180
 tattgcaaga gtataaccgc tccattgagt gaaagagttg aaaattacat gattttatga 240
 agatcgaaga ctt 253

<210> 27001
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903903H1

<400> 27001

gtaatttcct tccttccttt ctttctttct ttctttcttt atcttctcat ttttctcaat 60
 acaatttttt tctttctttc tcaagttttg ctactttctt cttcttaacc atagttcaca 120
 tattatatca tcacatatca tagtgatata atatcacaat gtgtggcata cttgctgtgc 180
 ttggttgctc tgattcatct caagccaaaa gggtcgcgt ccttgagctt tctgcagat 240
 tgaagca 247

<210> 27002
 <211> 85
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903815H1

<400> 27002

attatgtgtc tcagtttcat ccactcggat tcttttgagt gtttctcttc tctctcccc 60
 taagctctaa tttctcttt ttccc 85

<210> 27003
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903816H1

<400> 27003

cgcgtctcct ggaggctcac tccggagcgg ggctagtgcg cgcccgattc ggcttcggca 60

agaaaaaggc tcccgcacca aagaaagcct ccaggggatc gggccgagac accgacagac 120
 cccttttgta tccgggcgcc aaagcgccgc aatacctcga tgggagtgtc gtcggagact 180
 acgggttcga tccgtttggg ctagggaagc ccgcggagta cctgcagtcc gagctggact 240
 cgctggacca gaacctgcga 260

<210> 27004
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903818H1
 <400> 27004

gcttttagcca tcactaacac tcagtctctg aattggggct gagggtttcg agtaacgttt 60
 atttttcacg agtttaagat atcatgggta aagagaaggt tcacattaac attgtgggtca 120
 ttggccatgt tgactctggg aagtcaacca ccactggcca cttgatttac aagcttggag 180
 gtattgacaa gcgtgttatt gagaggtttg agaaagaagc tgctgagatg aacaagaggt 240
 cattcaaata cgctgggtg ttgacaa 267

<210> 27005
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903819H1
 <400> 27005

taactagaaa cagtgtgatg aaaatgaagg tccttgtttt cttcgttgct acaattttgg 60
 tagcatggca atgcatgcg tacgatatgt tccctctccg aatgaacact ggctatgggtg 120
 cccgtactcc ggaggtgaaa tgcgcaagtt ggaggcttgc tgtggaagca cacaacatct 180
 ttggctttga gaccattcct gaagagtgcg ttgaagcaac aaaggaatac atccatggcg 240
 aacaatatag atcagactcc aaaca 265

<210> 27006
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903821H1

<400> 27006

atcactagaa gtgttgatg catttctatt tctaactaat tattgtgctt attattattg 60
 ttgagaaaga aaagaatggc aaagttaata aaattctttg agttgaacac aggggccaag 120
 attccttctg ttgggttagg cacttgcaa gctgagcctg gtgttgtagc caaagctgtc 180
 accacagcca ttctggttgg atacaggcat attgattgtg ctcaagcgta taacaatcaa 240
 gcagagattg gttctgctct taa 263

<210> 27007

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700903822H1

<400> 27007

gttgagagag agaaagcatg aaaatttgta gtgggttttg gttttggttt tggagttggg 60
 ttataatct ttaatcttgt ttgggagaga gagagagaga gagagatgta catagcttcc 120
 atgggaaggt ctttcaagga ctcttgaaa ctgcttgaag ctgatattca ccatgccaat 180
 accctggcgt cagattttcc aagggaatat gatgggacct gccttcagat gagaatgtca 240
 tacagtccag cagcaca 257

<210> 27008

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700903823H1

<400> 27008

caaaaagaag gctacaccaa cacctccaaa aaaagctgct gctgctgctc ctgccaatga 60
 tgagcttgcc aagtggatg gtcctgacag aaggatcttc ttgcctgagg gtctcttgga 120
 ccgatccgaa atcccagagt acttgaccgg cagaagtcct tggagactat ggttatgacc 180
 catttggctc tagcaagaag ccagaagact ttgccaaata tcaggcattt gagttgattc 240
 atgccagatg ggcaatgc 258

<210> 27009
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903824H1

<400> 27009

ccttggccca gtatttctga aagtgctaaa agccttggtta ggcaaagtgt agaacctgac 60
 cctaagcttc gattaactgc caaacaagtg cttgagcatc cctgggtcca aaatgctaag 120
 aaggctccta atgttccact tggagatggt gtcaagtcaa ggcttaagca attttcgatg 180
 atgaacagat tcaaaagaaa agcccttagg gtcattgctg atttcttacc caatgaagaa 240
 gttgaagaca caaaga 256

<210> 27010
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903826H1

<400> 27010

tatttttcatt gcacagagac acatgagagg tcaactctaa ctttttctcc ctcaatttca 60
 gttcttctac gttctaacca ttcgcaaaac gccttcgttt taatcttaca tctctggttag 120
 tcgttagttc ttacgcgaac cagctgaatg cacggcaacg tcggtcacgt gaccaatggc 180
 ttctcatcaa ttcctcgaca acttcataat tcccgatcac attctcgtag cgggctcctc 240
 cgactccgat gttgaa 256

<210> 27011
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903830H1

<400> 27011

ctgttaggtg tttccctttt aattaatatt acggaactgt gtatgagtga ataagtggat 60
 ctgggatctt gtattccatt gggttgtgat tagtctgtgt tatatttggg tattgtgcta 120

0053113.032200

gattactgtg tcttgtgagc atggtgattg agattctcct tacagttttt ttgtacttgc 180
tagataacgt ttattgacat ggatcactgt ttttgtatac atatgtatct ggattttgtt 240
ataaaa 245

<210> 27012
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700903831H1

<400> 27012

gtatttcctt acctctccct tcaagatgca gatcttcgtc aagaccctca ccggcaagac 60
catcaccctt gaggtggaaa gctctgacac catcgacaac gtcaaggcca agatccagga 120
caaggaagga atccccccgg accagcaacg tctcattttc gccggaaagc aacttgagga 180
cggccgtacc cttgctgact acaacattca gaaggagagt actcttcacc tcgtcctccg 240
tctccgtggt ggctgcagat 260

<210> 27013
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700903834H1

<400> 27013

accatatttg ctatggctcc aatgcttcat atatttaa at gaaggaattg agttcgaaag 60
tggttgtctt ctgaagagaa tttttttttt tttttatcat tcatgggttt ttttgtagca 120
catgtagtgc aaggatcagc actagccctt cttggattat ggcacaccat ccacaccatc 180
agatcttccc tggatgaagg ccctgccaac ttcactgtaa gattctggta ccagtttaac 240
actaccctc agtctagact taacact 267

<210> 27014
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700903835H1

<400> 27014

ctcgcgtgca ttgcagccag accaagcgag aaaggggaaga gaattcgaga gagaaacttc 60
 agagagaaag agagagagag agaaactaga gagagaaagc aaagcccaaa cacccttttt 120
 aaccattgca attctcgttc ggtttcagag aacccttttt gaattttttt gaattttctg 180
 ggaaacaggg cgttttgtga acatcatctg ggttctctcg atctccatct tttttttctg 240
 ggtttccgtg ttttctcctc agatc 265

<210> 27015

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 700903836H1

<400> 27015

tcggaattcg gtcgggtcga gcgattcggc tcgagctata ctaagggtgaa aaaggagaca 60
 tggcagctgc aacatctagt gctgtgttaa acggcttttg atctcacttc gtgtgtggag 120
 gaaagaggag ccatgccctt cttgctgcta gcattggagg gaaagttggt gcttctgtta 180
 gtccctaaaag agttattgtg gcagttgctg ctgcaccaa gaagtcattg atccccgctg 240
 taaaagggtg tgggagtttc atagaccag aaggcttg 278

<210> 27016

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700903839H1

<400> 27016

gatttctgag ttctgagaga ctcaaaagtt cagagtggta tgggcagtgt tgtgatttgg 60
 tccagaagat aacaacacga cactacactc gtgccgtttt ccttgccttc aaacaaggat 120
 tggattatat tatttatctt gcatcattca tatggcatcc gctcccttca ttcacgcgcg 180
 ctgtgattac tcgcctagta tttccaatcg caatagcatt cttagttcgc gacaaggccc 240
 gttggcgtgt cgtc 254

<210> 27017

002220"CTTES60

<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700903840H1

<400> 27017

ttgccttctg catgttggtt ctctgtaa ac agatactgca aaagaagaat aatattgaat 60
atttggttgg gttgaatccc tgggttgaag cgttgacagac atcacggcta ttctaagagt 120
gtctcgctct ctcatcattg tcccaactgt acgacggagg acaggttgcg taactgccac 180
caacccttcg ccgcacggtg ggcgtggtgc tttgccttct gaaggtggta gcccttcaga 240
cttgctcttc tta 253

<210> 27018
<211> 66
<212> DNA
<213> Glycine max

<223> Clone ID: 700903841H1

<400> 27018

cttagctcaa acctcacctc aataatctat cgtgctagct agcttaatca tattccaatt 60
ccacac 66

<210> 27019
<211> 80
<212> DNA
<213> Glycine max

<223> Clone ID: 700903842H1

<400> 27019

ggaagaagag gttttcggtt ggttaagcaa gatggatttg gaagcagaga aagagcatga 60
agctgcattt gcagtggcct 80

<210> 27020
<211> 226
<212> DNA
<213> Glycine max

<223> Clone ID: 700903843H1

<400> 27020

gtgattctca taaatgcagt gctaacatct attccaattt atttgctatc ttttgtcagg 60
gtccctagggc aggtgattag caagataacc agattacaaa ggaacttctt atgggggtggt 120
gcagctgacg aaaataagat cccttggatc aagtgggaaa aggtgtgttt gccataggaa 180
caaggtgggt tgggagtcaa ggatatcatc tcgttcaaca catcat 226

<210> 27021

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700903847H1

<400> 27021

accgggtgca tactttgttt ggacatcacc actcacaat gctcgtaaca aagagaatca 60
gaaaaggtgg aagtttatac aggattttac attaacacta cactgggagc ttctgtcaca 120
gcaagatgaa actgtcgtat ggaagaaaac tagtaaaaaa agttgctatg catcaagaaa 180
gtctggttct ggcccttctt tgtgtggtag aggtattgat gtggagactc ccgattatca 240
gaattgctaa ctgcat 256

<210> 27022

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700903850H1

<400> 27022

agcaattcct cttgcattgg aaggaaaaga tgtgatagga cttgccc aaa ctggttccgg 60
taagactgga gcttttgctc ttcccatatt gcatgcctta ttagaagcac cacgccc aaa 120
agatttcttt gcttgtgtgt tgtctccac aagagaactt gctattcaaa ttgcggaaca 180
gtttgaagct ctaggttctg agattggtgt caagtgtgcc gtgcttggtg gaggaattga 240
catggtacaa caatccatca gatag 265

<210> 27023

<211> 63

<212> DNA

<213> Glycine max

<223> Clone ID: 700903854H1

<400> 27023

cccgcatcga gcgagcgga aggttgagat ccaagatcca aaccaaacc ccaacacaaca 60
tac 63

<210> 27024

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700903856H1

<400> 27024

cttgccatcat tgtgccctcc ctctttctag ctatatccct ctctttatac aattaacaaa 60
gatatatcat atcatatcaa ctccaaatga tgaaaaatat tgggttggtt cttcttggtg 120
tggtggctac ttttggtgtg gcagccacag ctggtagctt ttaccaagac tttgaaataa 180
catggtgtgg tgagcgtgcc aaaatctatg aaactggaca tcttctcacc ctctccctag 240
acagagctc 249

<210> 27025

<211> 99

<212> DNA

<213> Glycine max

<223> Clone ID: 700903857H1

<400> 27025

gctcggatgt cggctctagt agctatgaat gctattatgg tgaggaggat actcatatgt 60
tgaggaactg gggacgtcat ggaagtatat tgggaaggc 99

<210> 27026

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700903858H1

<400> 27026

003220-ETTES60

tgattagtta acataggaaa catttacttc acaaacacga gcccatccga agtgtaccaa 60
gcataccttg accagtttag tccatatttc aatctgtttc taaaatcacg cgcgaggaa 120
ttattgcgtg gtggtggcat ggttctaagt ttcattctta ccaacaaatc ttagaacat 180
gccaccacca cgcaataatt ctaagatttg ttggtagaga tgaaactttt gacataataa 240
ctcctggggg t 251

<210> 27027
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700903814H1

<400> 27027

cacagatact tgattctacc gaaaaggcta ttgagcatag cttggcaagc accggtcgtg 60
ccaatgtgcy agcaacggca atatactcgg agagttcaaa gacttcttgc ttaacatggc 120
ttgtgatgtt tgtgatgaca tgtgtgtttg tcatggttat tcttctaate cgtgtcacat 180
agtgtagttc acgtttcacc gggtaaaata aataacttcc aatataactt tttttctcaa 240
tctttaacag ttttcctt 258

<210> 27028
<211> 241
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700903859H1

<400> 27028

gcagagatga caggtgggat gtgtggacag aaggtgcaag agatagaggt gacagtgggtg 60
atgatgccaa agaaggtggt ggacttcaac ggcgtaacct ccgtctgata agtgagttgc 120
tatgggganc gccaccgagt tcgtggggaa atgcttgggc gcattaggtc atgcagttga 180
tgctctcact gccctgcgct cgccatagta tctccttgca gctgtatcag tgctacgcag 240
a 241

<210> 27029
<211> 102

<212> DNA
<213> Glycine max

<223> Clone ID: 700903860H1

<400> 27029

aaaattctct tccgtttcag gattaggcgc ttcaccgtta cagtgaaaca tggcaaaacc 60
aaagcgaatc tctctgcgta tctttgcgct gctcctcttg at 102

<210> 27030
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700903777H1

<400> 27030

gtgttgaacc tcatgttgga caaataatct tgcaatttct tctgtattga accgtttctt 60
ggatgatgga tgtaactcaa gctttagggtg tcagctaaac taatggtttg aatgttgctt 120
ttgccagaca ttaaaaccaa tttgtaatct gccttacttt ggagcagttc ttgctatgtg 180
cttaaaaata gtagtttgat tggattgccca tttaaaaaaa aaaaaaaaaag ggcggccgcc 240
g 241

<210> 27031
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700903779H1

<400> 27031

ctctttgaca caaggaagaa gcctaacaat attaagcttt atgtccgccg tgtctttatc 60
atggacaact gtgaggagtt gattcctgag tatttgggct ttgtcaaggg tattgtggat 120
tccgaagatc ctaacaattc aacatttcaa gagaaatgtt gcaacagacc aagatcttga 180
aggtcatcag aaagaacttg gttaagaagt gccttgagct cttctttgaa attgcaga 238

<210> 27032
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700903780H1

<400> 27032

tctgaatccg cgcagttagg tttgtgattg attgattgat caatcaaaga gagagagaga 60
gaggggatgg gagatcaagt ggattgaacg gtgcagaacg ttctggaaca ggagactctg 120
aagtgattct tcgttggtgg tcacaggcgg cgtcggcaaa aggaaatgca gttcaatcct 180
ctcaattctc ttcgcaacgg ttggttcttc ggtcttcac atctcaacgg acccggcc 238

<210> 27033

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700903782H1

<400> 27033

ttgcgccacc gggtttctat ctgctgtttg tggccatca agaagttcca agccacggta 60
tttgggtcca gatgggtgga aattgtgaat tctcgtctct gcctgctcga caacttcgtt 120
cgtatatgtt ctttttatct aagttattta ttgttgtgaa tgtctgggag tgaacagatt 180
cttgagtggag tatttaaact gtaagatatg ggaagataaa attcaaataa agccatttat 240

<210> 27034

<211> 95

<212> DNA

<213> Glycine max

<223> Clone ID: 700903783H1

<400> 27034

cctcttcttt ctgcattgt tccttatctc catcttcttc ttcttctcca caagaacaac 60
tatagaaacc gtcctctcca tccactcaga tctct 95

<210> 27035

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700903785H1

<400> 27035

ggaggagcta tcattctctga ttccattccg gcggcggcga tcgccggggtc tcgccgcctg 60
 accgccgatt acctgtggcc ggatttgaag aagcggaagt ctgacttgga cgttgacttc 120
 gaggctgatt tcagggattt taaagacgat tctgatatcg acgacgacga cgacgatcac 180
 caagtcaagc cctttgcttt cgcgcctct tctcgtctgt ctacggcagc gaaatctgtg 240

<210> 27036
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903786H1

<400> 27036

tctcgagccg attcggctcg aggccgtgat cataaatcct tccttgtgtg caaaaagaag 60
 atgagaacat ctctgagat gctatgctgt ttttgccctg ctcttttag gcagttcctt 120
 gagattgtag tgaacatgaa gtttgatgaa gaacctact attccaggct aatatctttg 180
 tttgatggta tgcttgacc gaatcctgca ttgaggccaa ttaacactga aggtgctcaa 240
 a 241

<210> 27037
 <211> 116
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903787H1

<400> 27037

caaaattctc ttccgtttca ggattagggt ttcaccgtta cagtgaaca tggcaaaacc 60
 aaagcgaatc tctctgcgta tctttgcgct gctcctcttg attccacac aacata 116

<210> 27038
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903788H1

<400> 27038

actcactgtc ccacctgagc ttgttaccaa actagttacc ctgctcgag ccatccactg 60

ggtgggcaat cacttattca aacttcacat ctcatctcat ctctctcgca tccactgaac 120
 caagatccct attccaaaat ggccgcttct gcttcttcca gtccgtggct ggctccaaac 180
 cccagcaaaa gatggggcga actcttcttc cttctctaca cccctttctg gctcaccc 238

<210> 27039
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903790H1

<400> 27039

agcggagata gcaatctcat ctcatcatt tcaatggcaa ctcaaggta agtcattacc 60
 tgcaaagctg cgggtggcctg ggaacccaac aagcccttaa ctgtccaaga cggttcagggtg 120
 gctccgcctc aggccggcga ggtccgtgtc caaatcctct tcaccgctct ctgccacacc 180
 gatgcttaca cttggggcgg caaggatccc gaaggctctt tcccctgtat tcttg 235

<210> 27040
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903791H1

<400> 27040

ccaaagcctt gaccatgaaa gcaaccctt tagtgctctt cctcctcttc accatagcca 60
 aagggcttca caaccccaaa tgtgatgctt cccatcaaca tgaccatgat ggttcaaccc 120
 tccaagtgtt ccatgtggtt cagcccatgt tccccattta ggccctcaaa gccaatgtca 180
 tgggaagaga gtgtcctaaa gctacaagcc aaggaccaag ccaggatgca gtacctt 237

<210> 27041
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903792H1

<400> 27041

catattgcac cttgagaaga agctgctcta atagccatgc tttttgggta cggtttcttg 60

gcatatcttt ctctaaggag aatgaaactt caatctggag cttaaattca acttgatcac 120
 tctttgcatg tgggtgataa tattaattaa acaaagaatc acatgtacta agaaggacca 180
 ataattgaag tacctagcac attagagata gtggcttttt tttattttgt cttgt 235

<210> 27042
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903793H1
 <400> 27042

tgggaatcga atacggttta gatcgttccc cacttatgaa cacatcggga atcgttgatg 60
 ttagctagtt tttcgtgact tcattcattc cgtagtgaat tattgttttg atattttttt 120
 tctcgagaaa acttcacttt ccctgaaaat cattccgctc tcctctcgct ccgaaatccg 180
 aaaagggttaa aatcgcgat tgaaaaagcg aaattctttt tgaaacaacc tgcacgat 238

<210> 27043
 <211> 205
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903794H1
 <400> 27043

caaaactgga actctgaccc tgaataagct cagtgttgat aaaaacctga ttgaggtttt 60
 tgccaagggt gttgagaagg actatgttat ctttcttgca gcaagggtt ctaggattga 120
 gaatcaggat gctatagatg ctgcaatagt tgggatgctt gctgatccaa aggaggcaca 180
 agctggtatc agggaggtcc acttt 205

<210> 27044
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903796H1
 <400> 27044

ctctctctct agggtttgat cagactcaag ggtttaagcc atgggaaaaa ggaaggcaaa 60

ggcaaagcct cctccaaaga agcgaatgga taagctcgat accgtcttca gctgcccttt 120
 ctgcaatcaa tggcagcagc gtcgaaatgc cgccttgacc atgaagacct tgatagggga 180
 agctatttgc gggatatgcc aagagagctt tagcactacc atcacagctt tatcagagcc 240
 a 241

<210> 27045
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903801H1
 <400> 27045

catgtcctta ctccctacga tccgttctgc agtcactcac tgtagttaat gcctcattgt 60
 gtttctcatt attatttccct aactaacact cttgaccctg acttcttcac ttgtgctttt 120
 tagatcaaca aattaaagta ttaaactttg agcttcagtt ttttgttctt gactacttgt 180
 aatttattat ggagttgatg ggggggtggaa aatttagtag gtgttttggt gttgttggtg 240
 ttggtgtggt gttcttagtg gggtcagtgg tgggatt 277

<210> 27046
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700903802H1
 <400> 27046

gaatgagtca agggagaaag tgaggcaaca gggaagggtt tggtagggcat tggaggcaac 60
 caaaggggca aattggtatt tgcaaacaac catagggcca ngcagtgccc tcacatcctc 120
 attgaaattc tcagcaatgg ctaatgctat aactttgaag aagttgatca ggaaggggat 180
 acccccagtt cttaggccta agatttggtt ttccttgta ggggcagcca agaaaaagtc 240
 caccgtgcct gacagttatt atgatgattg 270

<210> 27047
 <211> 267
 <212> DNA

<213> Glycine max

<223> Clone ID: 700903803H1

<400> 27047

gttaacaaaa gggtagtaga gcatgcacca tgctcagttg gaatctttgt tgatcgtggg 60
 cttgggtggta catctcatgt ctccgcaagt aatgtttcat atcgtgttac agtgcttttc 120
 tttgggtgggtg gtgatgatcg tgaagccctt gcttatggag ctcgtatggc tgagcaccct 180
 ggcacagat tgctggttat tcgctttgta ggggaaccaa tgaatgaagg agagattgta 240
 agagttgatg tgggtgactc catggca 267

<210> 27048

<211> 91

<212> DNA

<213> Glycine max

<223> Clone ID: 700903804H1

<400> 27048

gcatatggaa aggagggagc aacaattgaa gagataagat ctgcatctga acttgctaata 60
 gctgctaaat tcattgataa gcttccacac a 91

<210> 27049

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700903805H1

<400> 27049

gcattctcga atttaacacg aagttttcct cgtactcatt gttacattct ataaatcaag 60
 ttcgatacaa ccccatcgct aaatcagtg gcaagcattc caatcgctcc caaaatcttt 120
 tctaatttgt tcataactca ataattctca tcatgggctc cttgattggt ccagggtgaac 180
 atgatcacia actaaagctt gtttctcttc cctttgtatc aaccagtcac ctcatcccg 240
 tagtagacat agctaggcct ttgcca 266

<210> 27050

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700903807H1

<400> 27050

ggaactgttc ctttaactga agattttgca tatgggcatg tcttctacaa gttaagacag 60
acaagtgatt tgttttgtat ttgagaacgc aaagtaactg tttcgatgat gggaaaagca 120
tatctgcctg tctgccctta gagaacaagt cttgaataga tttcggtaaa ttaaaaatgc 180
tcttgctgat cctcttttgg aatgattaat aaaacattac attattgtat cttctacttc 240
gaccgccgtt gtggacaaaa 260

<210> 27051

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700903808H1

<400> 27051

gcttctatca actctctacc tgtcaaaggg agcaaagcgt cttgctatca taggatggat 60
ttgccttggt ttcaacatca gtgtctttgc tgcacctctc ttcattatta ggcgagtcac 120
aaagacgagg agcgtcgaat acatgccatt tactttgtcc atgtttttaa ccatcaatgc 180
tgttatgtgg ttcttctatg gccttctcct cagggattat tacgttgctc ttccaaacac 240
gcttgggttt cgctcggca 259

<210> 27052

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700903809H1

<400> 27052

cggctcgagc ccaattcttc cccctccacc caccagcat atctctctat tcctatttat 60
tagacccct cacattacct tcccgtcacc aactactttg actcctttac cataccatta 120
caataattat caaacctaac cagtaaaaat ggtgaccgtg gaggaaatcc gcaacgctca 180
gcgttcccat ggacccgcca ccattcttggc cttcggcacc gccacgccgt ccaactgcgt 240

ctcccaagcc gattacctga

260

<210> 27053
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903811H1

<400> 27053

ccacttcaag ggacagaata cattttgtgct ttaggcagtt tagaagcaac aaaatcaagc 60

cctttgactt gagtaaattg cgtgggttact atgctcaacc aattctttct tgcttacacc 120

ttgattcaat ccagcaccct gagttcctag caagagaaga tgaagagttg agtgcaggtg 180

atgatgtgaa agtaggagtc aagaggagga ggggtgataa ggggtctcct cagtcttcga 240

taagtcgcca ggggtta 257

<210> 27054
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903812H1

<400> 27054

tcagaatcca aaccctagga aatttcccct tcagacgaaa ccctagattt cctctcacia 60

atctctctca gcttccccat tctcgggatt cggcgtccag atcacagatc ccgttcaatt 120

ttttttccgc atcccccgat cggggtttgga ttctgaagaa agttcaattc cgcacaaatt 180

cgagacaatt gctgctgtcg aggctcgcgt tgcgcatggg taagattctg agagaaaccg 240

cgaggccggt ctcgaatt 258

<210> 27055
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903813H1

<400> 27055

gttttctggg aatcaacgtg aaggggaagt acatttgggt gttttgcaac agtgggttgg 60

gattcactgg tggagttctc gggaatttgc tctggttggtt gtcttggtct taattttgct 120
 tccattggtc ttgtaccgtc gcgtagagtc gttgaagttc agttctgcaa tatcaactct 180
 tcttgctgtg gcatttgta caatatgtac cgtgtagca atagttgcta ttgttgaagg 240
 aagaacacag tccccta 257

<210> 27056
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903776H1

<400> 27056

agtaaagaag ccagtgctag gatttgtag tgaagcaatg tctcaaacca tgttgctcat 60
 gtctagtgtc tctagcagtt attccgtgga tttgaagaaa gacctttcct ccaattgaag 120
 agtctaagtt taaggcctaa gttctctcag ttctcattca acccacttcc atcatcaact 180
 tctgcccctt cttcaccccg tacattcaca actctggccc tcttcaaata taagaccaa 239

<210> 27057
 <211> 124
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903725H1

<400> 27057

cttctcactc ttcagcagca tttgagagca tcaacatgca gaacccaaag acgtttgctg 60
 cacaattgct accagacttt gtggccctaa ataaagacaa ttgaagaagg ggaataagat 120
 ccat 124

<210> 27058
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903726H1

<400> 27058

ccaactgtac cctccattct tctcctaaat cctaatacct tttcactttc agttctcagc 60

atgggaattt ctggaacaac agactatgga tcattcacat accaaaacct tgagagggga 120
 acccaactgg ccctcagaaa agctcagaat ttccatcact ggggctggtg gtttcattgc 180
 ctcacacatt gctcgccgcc tcaagacgga gggacattac atcattgctt ctgattggaa 240
 gaaga 245

<210> 27059
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903727H1

<400> 27059

cattgttggt ctctctctct ctagagttct tatttcctct ctctagaatt ttctatccgt 60
 tcatccccct cacaaattag ggtttttgcg aatcttttat tgtctgaaat cgaatccaac 120
 gtttcagcca tggttttcga ttcaatcgcc gccgtgccga ttccctccgc cgcaaacacc 180
 aggaaccggy ggaagaagaa gaggaccaac aggtccgcga aattgaagca gtacaaaatc 240
 gatg 244

<210> 27060
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903728H1

<400> 27060

tagaactaga actaggggtt catctttgcc atcagaaaca acaatgatct acgacgttaa 60
 ctctccccct ttccgatcct tcctcagcca gaaggaggc tcctccgata agaggaaaac 120
 ggatgaacag aagccaaaag agcagaaacc caaagccagc gagaacaaac ctataatgac 180
 agagtgacaa caaatttgct gcattcagtt gtagaatgat aataggtggt agatattgca 240
 ttg 244

<210> 27061
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903729H1

<400> 27061

gtgaggtaga cagacagagg cggcacaaat aagaatggct tcaaattccca aacctttgac 60
 ttttgaggag gtggctaata acaacaacaa aaaggattgc tggattatta tcaatggaaa 120
 ggtgtatgat atcacgccat ttctggatga gcatcctgga ggagatgaag ttttggtaac 180
 gtcaacaggg aaggatgcca ccattgattt tgaagatgtg ggccacagtg attctgccat 240
 aga 243

<210> 27062

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700903730H1

<400> 27062

cctgaaaatc atggtttcaa gccttccaaa ttgagcagtt caccacatgg gggcctttct 60
 ggtagttcac cacatggggt tttttctggt agtccacatg gggttttttc ttgtagtcca 120
 catgggggggt ttcttggtag tcaacctgtg ggttcaatgc caaagtcttt tccaccgttt 180
 cagcatccaa gtcaccaact tttagaagaa aatggtttca aacaacagaa gtacttgaag 240
 tatc 244

<210> 27063

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700903731H1

<400> 27063

caaagttcta atctttcgcc tattgggttc tactcctttc tctcttcggt tccgatcgat 60
 ccaattttct tcccatggct acgatcggac acaacaatct caatgccaaa ttggttcttc 120
 tcggggacat ggggtgctggg aaatccagct tcgttttgcg ctttgtcaag ggtcaatttc 180
 tcgaatttca ggaatcaaca ataggggcag cgttcttttc acagacgctg gcagtaaattg 240
 acgc 244

<210> 27064
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700903734H1

<400> 27064

gtttgctcgc acacgtcggt tttttctttt tgttgcttcg gagccaactc aacaacaacg 60
ccgtgcttaa tccttaagaa taacgaatta caacaactaa ccatgttgca ttgtctcaac 120
acttctgttt cggacatcac actcttgga agacaacggg aagcaaccat caagtgccag 180
aaccaccaac caccctactt aacgtatatt aacgcggtct tcccttcttc ttcttcttct 240
tcttct 246

<210> 27065
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700903736H1

<400> 27065

aaaaaactat tttggcttct gcctttcctt ttccagggag ctcatgaca atggctgaaa 60
caaagtgggt catgaaggac aaaagatggt ctctccatgg aatgacagct ctagtcacag 120
gaggcaccgc aggcataagg catgccattg ttgaagagtt agctgagttt ggagcaactg 180
ttcatatatg tgcacgtaat caagatgata ttgataaatg tttagaagag tggaaaaaca 240
aggga 245

<210> 27066
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700903737H1

<400> 27066

cttctcactc ttcagcagca tttgagagca tcaacatgca gaacccaaag aggtttgctg 60
cacaattgct accagacttt gtggcctaaa taagacattg aagatgggat aagatcatag 120

ttggtgacat tggttatatg ggtctctcat atttcttctt aatccatgtg cttgtttctt 180
 ggggagtagt gataaatctt agtgtaaaga aagaaggaat tttactctag tatagggtta 240
 tacct 245

<210> 27067
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903739H1
 <400> 27067

ggaagatgtg tttgagttcc tcgggaacgt tcctctgcta cagaggcttc tgggctcgtc 60
 tgtaaggaag atatctgagc ttgtgattct caaacactat gagccgggag agtatgttgt 120
 tcgtgagga gaacgtgggg atggtcttta cttcatctag gagggagagg ctgaggttgt 180
 tggctctgtt aatgctgacg atgataatca tccagagttt caattgaaaa gatttgacta 240
 ttttg 245

<210> 27068
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903740H1
 <400> 27068

cttctgagtt ctaagctaag tctgctttta ttcttttctc tcccgttata tatatagtat 60
 ttgcttatat atatataac tacttattag gaactgtgat tgcagttcct aatgcagatt 120
 ttaacgcggc gccaaaggagc atttttgtgc ttctggttgt ctgtgttctt tgtggtagta 180
 gacttttgct ctggtgacca tagtacagtc gaggtagtag gggtgggaga atgcgcagat 240
 tgcaag 246

<210> 27069
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903742H1

<400> 27069

gtcaaattat tcttttccac caggcttttg atgtgaaaaa atgggagaag tttaatagtg 60
 aaaaagtagc ctcaattgcc tatgcccga ttcaaggaaa agcttctctt attgctcatt 120
 ttcagaactc aagcctgatg aacgaagaca aacgttgccg tctattctc ttccatacag 180
 atggcccaac tgctggatg cgggagcctt tcccatggg tgccaatatt agactgagac 240
 ct 242

<210> 27070

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700903745H1

<400> 27070

gtgaattttg aggagctgct acgtttttca acattgagta aggtgtatgt atcagacaag 60
 tatttgcatg gaatcacatt gttaattcgc ttctagagat ttcattcggt catcttcggt 120
 atttaaaggc gcgccataat ttctagtttt gcagatacat ttttctctgg aaaaatctct 180
 gaatttcgga actctggact atctgctaga ttgtgcctga gtttgtactt gtggccatgg 240
 tt 242

<210> 27071

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700903750H1

<400> 27071

ccagagaggg aagacggggg aagatttagg aacagattac cttctggaag gttgccagcc 60
 actcaccatt tgtcacctag agagggaagg gtccatgaca gaataagagg aggggttgcga 120
 gatgatgaga ggagaaactc caaggatcga ttgatgggga gagaactacc ggggtgatagg 180
 agtgattttg ctgcgcaaaa aagtctttct gaacttaaaa atgggaggaa caccgagaat 240
 agggga 245

<210> 27072

<211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903751H1

<400> 27072

ctaacgacca tgtgaccatc ctctgcaaca tcgaattcag ttgggttcatt atcggtgtga 60
 ccgtttttttt gggtttctttg tacttggttt tggtaaaagt ttatggggag aagaaggtgg 120
 agtattttttc gttggggaat gaggatgaag agtcaaacga cgacgttgag tcacaaaaga 180
 gcggtgcctt tgatcacagc agcaaaagct tcattcaggt gggcaaaatc ttttctcaaa 240
 atgacat 247

<210> 27073
 <211> 111
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903753H1

<400> 27073

gtgatagtta ggagataaag aaagtggat atattgatat atgtgtgtat ttcctttggg 60
 cttgaaactc aaaactataa taatgggttc ttcttctcct ccggacacga t 111

<210> 27074
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903754H1

<400> 27074

atcaaaatgg ttgctgctgg tgctgaacat agtgtagcaa tcactaaaga tgggaatttg 60
 tatggatggg gctggggccg atatggaaac ttgggattgg gtgacagaaa cgatcgattg 120
 ctgcctgaga aagtgactgt tgatggtgac aagatggcca tggttgcttg tggctggcgg 180
 cacacaatat gtgtttcatc ttctggtgga ttatacacia atggatgggg caaatacggc 240
 ca 242

<210> 27075

<211> 244
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700903755H1

 <400> 27075

 aacactttcc acttgctccc gaattagtta tcttgagaaa cattattccc attgctatat 60
 attatggcta gcatgaaggt tacatgggtg gttgtgatca tgtgcatggc cgtgggtgggt 120
 gcaccgctga tggcgcaagc catgacatgc aatgatgtga cgggtgaacat ggcacagtgc 180
 ctatcctacc tgatgcaggg aggaacacct tcaacacttt gctgcagcgg agtcaagaac 240
 attc 244

<210> 27076
 <211> 79
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700903758H1

 <400> 27076

 cgctaattgt ttgattctcc tagcacaagg aagagtagga cgggaccctc ctcacatca 60
 caaggaccta tgtggtgat 79

<210> 27077
 <211> 79
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700903759H1

 <400> 27077

 gcgccgcaat tgtcatgacc caaaattata tttttctatc gagtaacctt tacaaccttg 60
 tgtcgtcaac caccctcca 79

<210> 27078
 <211> 242
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700903760H1

<400> 27078

ctaaaacatc tcaatgggtt cttcttctat tccaccttcg agattaaanc atgaccatgg 60
 ctgcgatcgn gctcctgttc acggtctttg ccgtttcttc cgccctagac atgtcgtaaa 120
 tctcgtacga cagcgccac gcggaacaagg ccgccacgtt gcgcaccgag gatgagctga 180
 tgtccatgta cgagcagtgg ctctgtaagc acgggaaggt gtacaacgcg ctcggcgaga 240
 ag 242

<210> 27079

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700903761H1

<400> 27079

gattgctgat gtttccaatg ctaacggatg gggagatgat gacccaacca tctttgagat 60
 gacaatcgtt gcaaccttac aaggggaatt ccaattgaca aatggctatg ggccaaataa 120
 agctccggaa attatgaagg aacattggaa cacttttatt gttgaagatg atttcaagtt 180
 catgaagagt catggattag atgctgctag aattcccgtt ggctgggtgga tagcaagtg 239

<210> 27080

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700903764H1

<400> 27080

cggaaggca ggaacgccgt cagtatgcc caccgcaca gccagccatg tctgccactg 60
 cattgctgca gaaagccgcc caaatgattg cagctgcaac aaatgcctct tttcttcgtg 120
 ggtaggcat tgtaataact tcttgatcaa cggcataagt tcagcaagtt aatttgcatt 180
 ggggcaatca gcaattggaa ccagaaattg cttcagttct tgaaggtctt ggacttggg 239

<210> 27081

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700903765H1

<400> 27081

ataaaacata agaggggtatg tttagtgtgg ctgttttagtg ggtaccttgt tgccctcata 60
 ggaagtgata aacaattgca tggagtcacca ttggaatttt tttttttgtg gctgaagaag 120
 gtgaaaaggg ggcaagtttc actcttgaag ggttttgagg ggtgtcaact tctgtttgga 180
 gactccgagg ttgagtttga aggcctcagt cttcaaggca gaagcttgag gttactaagc 240
 a 241

<210> 27082

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700903766H1

<400> 27082

cccgccctct cctgagtctc cttcctccaa caatctcgcg gcgcctctgt ctctctctcg 60
 gtcctccaa gtccaatgag tctgcgcctc cgctcgccac ctctatgtcg ttgtgctacg 120
 ccatcgaggt caccctcaca acctcacctt ctacctctgc ctcagtgagt cttccccgcc 180
 gctgcgccat cgttcctcag caacttcggg tcgtccttgc acaacgccgt cgagggtgccc 240
 ctca 244

<210> 27083

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700903724H1

<400> 27083

actagcaaag ggaaggaaaa gtaccttccc caataaccct tctctccgat ttggcttctc 60
 tcatcgagg gaaacaatca ataaaagaaa aaaaaaaccc aaaaaagat tataacaaaa 120
 aaagtatgaa aggaaaagta ctaggttccg cagtttctct catactagta gtgggtgtgg 180
 taattggcgt ggttgctgta gttcaaagcc caaagggcgt gaacaacaac aacaatggag 240
 gagaattga 249

<210> 27084
 <211> 242
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700903771H1

 <400> 27084

 gcgttggtga atccgtttct gtctccccct cgaactcccc tctctctgcg agtttcagct 60
 ccgccaaacc aagcactact acgttggact ctctgctccc aatattcatt cacaccatca 120
 acgctaagat cgaagcacgc catgtgtggc gccactgccg acatcaaggc tgcaccttta 180
 gctgatggag aagcagatca cgcggttctt gtgggccccg ccagcgagga cgagagaaaa 240
 gg 242

<210> 27085
 <211> 101
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700903775H1

 <400> 27085

 gtggtgcctt atcgctgtgg ttttcatcgt cttccttctc ttatatttct tttttttttt 60
 tgtcttcgcc gcacgccgaa acaatggccg gaaaaggaga g 101

<210> 27086
 <211> 219
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700903675H1

 <400> 27086

 ccaacatcag atcaagatat aacaaaggcg aatgaacaat caataaactc atcaatcaaa 60
 aaagttaaag ttaagtggga gaaagctggt tctgatgctg aactcaaact acaagcagtt 120
 aattttatcc atcacccaaa attcttgatg caaattatta ctttctgttc ctcatattcaa 180
 tgggtcaatg ttctcttttt ttggttacac ttcttctgc 219

catatctcca acataaagga ccacctcacc ctccccctcc attactccca ctgcatcttc 60
 ttcaaattcc tgtcctgaag atgacagcaa agtggatatct catttgtgtgt gttgtagcga 120
 tctgggcccgt tgatctgggt tcatcatcac accatgcccg tgccccagca ccagcaccgt 180
 cagtggagtg ttcaaacctg gtattgacct taccgg 216

<210> 27091
 <211> 206
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903685H1

<400> 27091

gctagcaata ttgtgtctgc tatctacatt gccactggtc aggatcctgc ccagaatgtg 60
 gagagttctc actgcatcac catgatggaa gctatcaatg atggcaagga ccttcacgtt 120
 tcggtgacca tgccctccat tgaggttgggt actgttggag gcggcacaca actcgcattc 180
 cagtcagcat gtcttaattt acttgg 206

<210> 27092
 <211> 208
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903686H1

<400> 27092

agggtgttga gaaagagtat gttatccttc ttgcagcaag agcttctagg actgaaaatc 60
 aagatgccat agatgctgca attgttggca tgcttgctga cccaaaggag gcacgtagt 120
 gtgttaggga ggtacatttc cttccattca atcctgtaga caagaggact gcactgacct 180
 acattgattc tgatggaaat tggcatag 208

<210> 27093
 <211> 211
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903687H1

<400> 27093

gaaatattag gtggaagaga aggaagcgaa cgaaatggtg ggcattgtca ctgccacttt 60
gatttgattc gtgtgcacat ataaggtggg gcatggccta caccctttcc aacactctcc 120
cactctcact cgccttcttc ccagaccgca ccttccttca tccaccctcc acacacctct 180
tcctcggtcg cccctcaga ttcaaaagtc t 211

<210> 27094
<211> 111
<212> DNA
<213> Glycine max

<223> Clone ID: 700903688H1

<400> 27094

gtcttaactc aacaaccgaa cttgatagat actgtgagtg tttttgttcc tcaatcaatc 60
taattgtccc atttctcttc caatggcgtc ttctctttcc acacaacata c 111

<210> 27095
<211> 215
<212> DNA
<213> Glycine max

<223> Clone ID: 700903689H1

<400> 27095

aagatttcag caataaaaga tattatacca ctgttggaga aaaccactca gttgagatct 60
cctttgctta tcattgctga ggatgtcact ggtgaggctt tggccaccct tgttgtgaat 120
aagctacgtg gtatccttaa cgttgctgcc atcaaagctc ctggccttgg tgagcggcga 180
aaggccctgc ttcaagacat tgctatattg actgg 215

<210> 27096
<211> 222
<212> DNA
<213> Glycine max

<223> Clone ID: 700903691H1

<400> 27096

cagcattcag catcgctttt ttctattcaa cgactccggt cegttctctt tcttctctt 60
cgaaacccta ataagcttct gcacttcctt ctgattccac ttttggtaat ataggccct 120

cctcttcttc tcagatctga aactacttgt ttttaactttt tctattcaac gactccgttc 180
cgttctcttt cttcttcttc gaaaccctaa taagcttctg ca 222

<210> 27097
<211> 225
<212> DNA
<213> Glycine max

<223> Clone ID: 700903692H1

<400> 27097

gccttctttc tttttttcaa tttccaaatc acgaaactca agaagatgga gaaagcgatc 60
aacagacaga agattttgct tcacatcttc aacccttcat catccacca cccaacgaa 120
gaatactccc tccatgcttc agcatgtgtg gcgggggata gcgctgctta tcaaaggaca 180
tcgacattcg gggacgatgt tgtgatcgtg gctgcttacc ggact 225

<210> 27098
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700903694H1

<400> 27098

gagagcagag ctgaggctct tggaacctaa cttctctaa gatcctgttt tccatctggt 60
aaaaagaaaa agaaaagtgg attagcttat cagtctagca tgaatctgac taaactcatc 120
acagattctg tcgtgcattt atctcacgta ttagaggatg ttttgacatg gataactgaa 180
tggaacaaaa gacctgaaga tgagcatttg gagaatattc ttttacttct tcgg 234

<210> 27099
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700903695H1

<400> 27099

catttgcata acttcgctga tcacgcggat gcaccatctg ggtctcccca atttgcgcct 60
cgattcttgg cgttggtgct actcgcggcg agtgtggcgg tggatgctca ggagaactcg 120

gacgtgaaga cgctggtgaa gtacaagcac gggaagaagt actgcgacaa aggatgggaa 180

tgtaagggct ggtcaattta ctgttgtaac ctcaccatta ccgattattt ccagacc 237

<210> 27100
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700903701H1

<400> 27100

tgccgaagat cattgttggc ctcgcttctc tctctctgcg atgcattcat ttcttcgttc 60

ttctccacca tttaatacat attattatac tacaaaaaca taacctccag aacacattta 120

tatattccct tgttgcatat atactttggt gttgttggtg ttgttggtct tcttgtaaatt 180

ggcgaatgca tctgggttct tcagcccttc ggttccccac ttcaaagtga gggttaagcc 240

tctcaccact gcca 254

<210> 27101
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700903702H1

<400> 27101

ctcgagccgt gtcacaggtg tagcggcgaa actgaggtcg tagaaagaat ggcgaaaacg 60

acgtcgttgt tgctctttac actgctctc ttcggaacct tagctctcat ccaggcgaag 120

atctcgaagg aggatttgaa ggaagtgacc cacaaggttt actttgatgt tgagattaat 180

ggaaaagaag caggctgtat tgtgatgggt ctttttggaaggaggctgttcc aaaaactgca 240

gaaaactttc ga 252

<210> 27102
<211> 152
<212> DNA
<213> Glycine max

<223> Clone ID: 700903705H1

<400> 27102

cccaaaccga aaccctaacc ctaacggaga gatggcggac acttggcatc gatattcggg 60
 acggagaagg acaggggtgaa ctgtccggtc tacttcaaga tcggcgcggtg caggcacggc 120
 gaccgggtgct cccgggttca caccaagccg ac 152

<210> 27103
 <211> 104
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903708H1
 <400> 27103

ggaataagca agacagtgc aggtgaaccg atttcgttat cagaacaaga attcgtggat 60
 tgtgacacac gatatagcga aggatgcaat ggagggactt atgg 104

<210> 27104
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903710H1
 <400> 27104

cgtttatcac actccaacaa cgcctttcgc tcttaccacc ctgcggggtc attttcttgg 60
 gaaaactcgt ttccaccaag aaaatcgatt tcgctggaaa caaacactcg cgaatctccg 120
 atgcgactcg tttcacttta attcgatgat gatcgccact atatgccgcc ctgtgcgttc 180
 cccgtggaca taaccaatgg atcgctgctt ccgatttttt ccatgcctcg ccgatcctgg 240
 tcgaagg 247

<210> 27105
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903711H1
 <400> 27105

cttgttctct aggtgatcag cttgccattg ccaaagaaac tggccgaagg cttgggatgg 60
 gaacaaacat gtacccatct tcttcattgc ttggtcagag caaggatgct gctgtttcag 120

cagttccagt tgatgaattg attgagaagg ctgatggatt tgctggagta tttcctgaac 180
 acaaatatga aattgtgaag aggctgcaag agaggaagca tatttgtgga atgacaggtg 240
 atgggtg 246

<210> 27106
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903712H1

<400> 27106

ggccaggcaa gcccactca accaccacac tactcctcgt tcacgctacc cttttctgct 60
 cttcttctac ctttcaagtt ttaaaagtat aaagatggca gagacattcc tatttacctc 120
 agagtcggtg aacgagggac accctgacaa gctctgcgac caaatctccg atgctgtcct 180
 cgacgcttgc ctcgagcagg acccagacag caaagttgcc tgcgaaacat gcaccaaacc 240
 caacttgg 248

<210> 27107
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903713H1

<400> 27107

ccaactctct ctctctctcc acttgccaaa ggaaaaaggc taaagagaaa cccacacaca 60
 cacacacaca cagatatatg tcttcccaa gcaagcgccg agagatggac ttgatgaaac 120
 tgatgatgag tgattacaag gtcgagatga ttaatgatgg aatgcaagaa ttttatgtgc 180
 aattccatgg acccaatgac agtccttatc atgggtggtg gtggaaagta agagttgagt 240
 tgccgga 247

<210> 27108
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903714H1

<400> 27108

ccaaaataga aaatctaaag cgaaacactg aaatcattcc atatgatata gcttctctct 60
 aaatctgagt tctaacttcc tcagatttga tcccatacca gttattcttt gaatcagcta 120
 tcagtgtatc aatttctaca aactttatga gatgctggat catgctatct agtttggaat 180
 attgagtttg ctagttaaag tggtgttttg gatggtaaatt ttggtgcttc atgtctggtg 240
 aaaca 245

<210> 27109

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700903715H1

<400> 27109

gaacctcaat ctctccgagc agcgggtccat ttctctcccg gaacacccat aagatttccg 60
 gcacggcgat ggccgctggt cgctctcttc tctctctctt cttcccttcc tctctctctt 120
 tcctttctga aaacgaagcc cttctcaact tcaagaaatc attctctaac cccgtagctc 180
 tctcttcttg ggttcccaac cagaaccctt gctctccag gtggctcggc gtcattctgct 240
 tcaacaa 247

<210> 27110

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700903716H1

<400> 27110

ggcgagagat aatggatttt cattgagctt tctttctttt tgtgttagtg agagaaagtt 60
 ctctctcttt aactcacaac cctattgctt gctttgcaat cgaccccgct tatggccaac 120
 agtaaccctc cctcggagaa atcatcaagg aaaacgcgcg gtttgctcag tgagccaggg 180
 cctggaataa gtgcgtcccc ttcggaggac aatatgcggt atttcaatgt gatgatcctt 240
 ggc 243

<210> 27111
 <211> 213
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700903719H1

 <400> 27111

 caacgctagg ggttttgttc agaagccatg tcactattga tgcattgtcat gtgacaaatg 60
 gcgggtcatag gtaagagctg gtgtccaggc attctgtcac acctgccagg gttctttttc 120
 catatggggtt ggttttcaag tgttaaattg ggatgcaatt agtgactcca tgtattttat 180
 aggtgagcat atttgtttca tgcgattact ttt 213

<210> 27112
 <211> 214
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700903674H1

 <400> 27112

 ctttcgtttc cctcccgaat atcctcggca tttcatctc cttccaagaa gggctttctc 60
 aggttgtttc cttcaacttt gttctccttt tttaactcta tttcggattt tggatggagc 120
 atagtgaata gctcaattgt tgaagatgat gagacaccca taaggagtgg tgaggaaggt 180
 gttgagtctc tgccttgtgt gatatcaaac atat 214

<210> 27113
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700903720H1

 <400> 27113

 ctgagccgt atgattactg ctatggggat gtggttgtcc gcctctcacc tgtgtctgtc 60
 tgttcagaaa cagcttctgt tggagagtcc actgagaaat caatgcagaa aactgaagag 120
 agtgggatta aaatcgatgt aaatatccaa actggtgaaa cttttgtgca attttctgac 180
 ctctcttggg ttggaaatat aactggcctt aagaatgggtg atattgaagt tacttgggct 240
 gatggga 247

<210> 27114
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903721H1

<400> 27114

gaggtagcta gctaggcagc cacgagcctt ggcgcatttt cttttttctg tgggcgagta 60
 taataataat tgcagtaaaa tggcatttct gaggtcaata gcaactacag caattgctac 120
 tatacctgca gccttagcat tctcatcatc ttcacatctt tctttccctc gctcttccca 180
 atcccccaat ccccaaaata gattaggtct tgtcaaaaca cttgctactc ctccctctgc 240
 tctccac 247

<210> 27115
 <211> 207
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903722H1

<400> 27115

cgagacagaa aaaggggtta gggtttggtc ttgtgatcga agctaagcga acagaaatgg 60
 gtggatcagt gagggacgtg aagtcgaagg gcgaggtcga cgagggtggtg gcgagtggct 120
 ctccggttat cctccacttc tgggcgtcgt agtgcgaaact tccaagcaca tggaccaact 180
 cttctctcac ctttccactg atttccc 207

<210> 27116
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903630H1

<400> 27116

gaaacgcata cgcgcaattt ctgttggtca gagctcttca ggaagaaaag aaaaacagag 60
 aaaaccaaac cctaattaga aacgatttcg gaatccctaa ttgcgaaatc gcaaccctag 120
 ttgtgctgtg cggttggtga gtggtttttg gaagaggagg cttgagctaa acgctgcgtt 180

tcgacgacga tgatcgtgag ccagaacatg gtgacggagg cggaattat ttgcaagc 238

<210> 27117
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903631H1

<400> 27117

gccatttggg agttaggttc tgcacgctct gcttcacgc agtggtcttt cttcgtttca 60
 acaccttaat ttgcatacgc tgcttcttca gcttgagaaa tggcacaaga aacctttcta 120
 ttcacatctg aatctgtaaa cgaggggtcac cccgacaagc tgtgcgacca gatctctgat 180
 gcagtgtctg atgcgtgcct tgaacaggac cctgacagca aggttgacctg tgagacatgc 240

<210> 27118
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903632H1

<400> 27118

acgcaccaga aaacgtatgg gcaaattggc agtggagatc aattaacgat gtgtacatga 60
 atggagcatt ttttgtgcaa tctgggcctg agctggctag cagaccattc tcaagagaag 120
 acatgatcac cgctaaggta ggaaattatg taggaaggct tacacgctat tctggcaacc 180
 tgttgaagtg cagagtgggt cgccttggtta attatccttt ttcccattaa ttctcttc 238

<210> 27119
 <211> 222
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903633H1

<400> 27119

caaagtttaa gtcacatggt gtaaggaaaa gactcacatc aacattgtcg tcattggaca 60
 tgtcgactct gggaagtcaa ctaccactgg tcatttgatc tacaagcttg gaggtattga 120
 caaccgttcg attcaaaggt ccaaaaaggg gccccctaag ttgaacagga ggcatccac 180

gtatccctgg gtgcttgaaa acctcaaggc tgagcgcgaa ag

222

<210> 27120
<211> 224
<212> DNA
<213> Glycine max

<223> Clone ID: 700903634H1

<400> 27120

cttggtttta attggtatag gcgtgccaaag gtcttggttaa ttttgagcgt taagtgtgc 60
aactaatcag atcccaagac cttggcctac cttgccatac ggaaaaaaaaa aagccaaaaa 120
aaagccaggg tttgggacca ccaaaaatta cccaaggcc caagtcattg aaagaataag 180
ggttggaagt gcaacagagg ttgctttcac cctcttgccc attt 224

<210> 27121
<211> 218
<212> DNA
<213> Glycine max

<223> Clone ID: 700903635H1

<400> 27121

cgatctcaac ggagcacctc tcttcaggtc gccatctaga ctgcaatcat ggctgatgga 60
ccacagcatc catcagttgt tcagaagcta gctggacagt cttacctggt gtccaggcta 120
agccccaact ttaactctgg gaattattcc tcgactgggt cttacttcaa tggaggactg 180
cactcttctg agttggctgt tgtgtgcct ggatctcc 218

<210> 27122
<211> 113
<212> DNA
<213> Glycine max

<223> Clone ID: 700903637H1

<400> 27122

caatggcttc actttccctc tctctctcca caccaacaac accaactca ctctccttca 60
catcatctc catcttcttc tcttcacacc aattccacac aacatacgag cat 113

<210> 27123
 <211> 211
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903638H1

<400> 27123

tgacaatgaa gctgggttttg gtacttggtg ttgaagttgc atgcttagtt tctgggatct 60
 tgtccttttg atctgagaca ctctctgagc tttctttctt agaaaatgat gtcgtctcaa 120
 caacaagacc ttctcttca tctcaacttc aacctcaacc tcaacctcaa cctcttatgg 180
 tggacctcac tctcattcat gaagctgatt c 211

<210> 27124
 <211> 206
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903639H1

<400> 27124

tccaattcct aattgtttta acctaattct tatttcttca tegtctgatt cttcgtctcc 60
 taaagatgca gatcttcgtg aaaactttga ccgggtagac catcacccct gaggtggaat 120
 ctttccgaaa catcggatac tgtgaaagct aagggttcag acaaaggagg ggttccccct 180
 gaccagcgga ggacttatct ttgcgg 206

<210> 27125
 <211> 215
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903640H1

<400> 27125

agcagccata ccattctgagc tctcagccgc tgaagctgca gcgttgccaa tcgccgggct 60
 tacagatcgt gatgccctca cttaaattgc aggagtcaag cttgatggga ctggccagct 120
 caagaacatt ttagtaactg ctgcttcagg tgggtgtaggt cactatgctg ttcaactagc 180
 aaaactaggc aacacccatg tcacagccac ttgtg 215

<210> 27126
 <211> 216
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903641H1

<400> 27126

ctctaaaccc taaacaactc tttctcttct tccttcgctc gttgttctcc ctcgcgtaga 60
 tcgacaatgg cggagacaga gacgtttgct ttccaggctg agatcaacct gtcctcagt 120
 ctcatcatca acacctteta ctccaacaag gaccttttcc ttcgtgaact catcagcaac 180
 gcctccgatg ctttggacaa gattcgattt gagagt 216

<210> 27127
 <211> 212
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903642H1

<400> 27127

gcagcaaacc atgttggcga aaattttctta gcaatgctaa ggaagtctgt cttgatgcct 60
 aaatcagcaa tggcatttac tattgcgga tcggtgttag ggcaagtaat tggttcaaga 120
 gctgagaggt acaggctgaa ggcagttgct gcaagaaagg tgtctataac tgaaacctct 180
 ggtgttggtc ctctccagtt accagtggct ac 212

<210> 27128
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903645H1

<400> 27128

ttcgatttgt tgtggattgg atgatggaaa aaccagcaag cccctttcat tgaaagggcg 60
 cagtgaactg taattgtgaa aaggttggaa gatctggcca aagaaggtga tagccctgta 120
 gattcgttcc catggttcga tccttcccag taaaacgcgg cgtgttcgaa ttctgatcgc 180
 ttttacgcga gaaaggggga ccacctcta agcctaagta ttcctcaatg a 231

<210> 27129
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903647H1

<400> 27129

gttcttcctt ctcaaattatt cttgagatcc ccattttctc cgaagcaaag ccatggctaa 60
 gggctctggg ctctactctg acatcggcaa gaaagctagg gatctgctgt tcaaggacta 120
 ccacagtgc cagaagttca ccataccac ctactaccg actggagtgg ctattacagc 180
 atcaggaacc aggaaaagtg aactgtttct ggctgatgtc aacaccagtt gaagaaca 238

<210> 27130
 <211> 126
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903648H1

<400> 27130

gagagatgga tccagacgcy ttggcaaacy cattcgtgga gcatcactac agcaccttcg 60
 acaccaacag gaacctctta gcgaatctct aacaggaggg ttccatgctc actttcgaac 120
 agcaca 126

<210> 27131
 <211> 114
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903649H1

<400> 27131

tagcatttca tatgttctgg ctcatcttaa ttttggttg cagattgcat gccgagacta 60
 tcctcacgcy cgacatctgt gtggtaaatt tccagcctct tccacacaac ataa 114

<210> 27132
 <211> 219
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903650H1

<400> 27132
 cgaagagcag tagaaagaaa ttagaatggc cacttttagac gaacgccctt ctgcgaaaag 60
 gtggcttcct cttgaagcta accctgaagt catgaaccag ttcctttggg gtcttggcct 120
 tccattggac gaggcagatt gctgtgatgt gtttggctta gatgaagagc ttctggaaat 180
 ggttccgaag cccgtcctcg ccggtgctttt tctttatcc 219

<210> 27133
 <211> 215
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903651H1

<400> 27133
 gccagacact gacgatgttc acgtcgtcgc tgtatctcgc cgcgttgctg tcgtcgttgg 60
 ttgcctccac cgtcacacgt aggttcggcc gaaaactctc catgcttttc ggaggcttgc 120
 ttttctcgt cggtgccctt atcaacgggtt ttgcccaaca cgtgtggatg ctcatcgtgg 180
 gtcggatctt gctcgggttc ggtatcgggt ttgcc 215

<210> 27134
 <211> 213
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903652H1

<400> 27134
 aaacacaagc caagtgaag tgagaaaaa taaaatcaa agagcataat gtcagggatc 60
 attcacaaga ttggggagac cttcatgtg ggagggcaca agaaggagga ggagcataag 120
 ggtgagcacc atgctggaga atacaaaggg gagcaccatg gtgaacacag tagtgagtac 180
 aaaggagagc atcatggtga acacaaagct gga 213

<210> 27135
 <211> 135
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903655H1

<400> 27135
tagacatcta gattgcacaa ggtgcaaac ctggtgaagg tggacaattg cctggaaaaa 60
aagtttagcat gtatatgtct aggttgagaa attctaaacc aggagttcct cttatatctc 120
cacctcctca tcatg 135

<210> 27136
<211> 218
<212> DNA
<213> Glycine max

<223> Clone ID: 700903657H1

<400> 27136
actcgctcta tttctcagcg tctgtgtttg cggctgagga ttccgaacga gtgaccttct 60
tcgtttctcg caaagttcaa gtaatcatgg gtaaggaaaa ggttcacatc aacattctcg 120
tcattggaca tgtcgactct gggaagtcaa ctaccactgg tcacttgatc tacaagcttg 180
gaggtattga caagcgtgtg attgagaggt tcgagaag 218

<210> 27137
<211> 223
<212> DNA
<213> Glycine max

<223> Clone ID: 700903659H1

<400> 27137
cgctcctcac ttgcagaatt ctaagaaggc gtcttcataa acgcctttat tctccgtttc 60
cgtttccttc ccggaattcg atttttcatc tctgaaaatg agagagtgca tctcgatcca 120
cattggtcag gccggtatcc aggtcggaaa tgcttgctgg gagctctact gtcttgagca 180
cggcatcggg cccgatgggc aaatgccaag tgacaaaaca gtt 223

<210> 27138
<211> 173
<212> DNA
<213> Glycine max

<223> Clone ID: 700903661H1

<400> 27138

gtagaatcca gcttggtcac aggatttgta caagtgattg ttgttgcta caagaacaga 60
 aaacttccat taccacaaa caactcccct ccacattacc attataagaa ggagtcagac 120
 cttgtcgttc caaccgataa actaagtttc ctgaatagag ccctgtgtta tca 173

<210> 27139
 <211> 231
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903662H1
 <400> 27139

ctagcaatgg aggcgattag gaagagtagg attcttatat ttggagggaac tggttacata 60
 gggaagtata tgggtgaaggc aagcgtcacg ttaggccatc caacttttgt ctacactcgc 120
 cctcttgatg cacaaactcc ttctcttaag gcacagcttt gcaaggagtt caactctatg 180
 ggggtcacac ttgtccatgg agaacttgag catgaccaga ttctggcagt g 231

<210> 27140
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903663H1
 <400> 27140

gctcgatcat ttgcataact tcgctgatct ctcgttttca ccatctgggc ctctcagtt 60
 ttgcgacga ttcttgttct ttcgatcca ttggtgatgg catcgatggg ttctttaccg 120
 tttcttgtgg aagccaatgc cgactccact ttgatgatga tgatgcttca gaacaggaat 180
 cacaagtttt cttcacaaa gttaaacact gtgaatgctt catcgttagt aagaggatgg 240
 gggcgt 246

<210> 27141
 <211> 224
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903665H1
 <400> 27141

ggaagactta ctcggccttt taaggattca catcaagcgc ggtgtcaacc tcgccgttcg 60
 tgatgtcaat actagcgatc catacgtcgt cgtaagatg ggcaagcaga agctgaagac 120
 tcgtgtgatt aaaaaggatg ttaatcctga gtggaaggaa gatcttacgc tttctgttac 180
 agatccaatt catccattta tactgacagt gtatgactat gaca 224

<210> 27142
 <211> 220
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903666H1
 <400> 27142

cctcgctcta tttctcagtc tctgtgtttg cggctgagga ttccgaacga gtgaccttct 60
 tcgtttctcg caaagttaa gtaatcatgg gtaaggaaaa gggtcacatc aacattgtcc 120
 gctttggaca tgtcgactct gggaagtcaa ctaccactgg tcacttgatc tacaagcttg 180
 gaggtattga caagcgtgtg attgagaggt tcgagaagga 220

<210> 27143
 <211> 231
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903628H1
 <400> 27143

ccatgttcca tgtttccacc gttgcgctga cctctcaacc tcacactttc ctctttccac 60
 tccccTTTT tccctccgc aacctccaac ttccacaaac tctacaattc cccagaaact 120
 ggaacctacg ctctatctcg ccatcgctgc acccaacgcc gcaatacgac gattccgaag 180
 accacgtcat cggcgactgc gtcgtgttcg aggacggcgt tttcgacgaa c 231

<210> 27144
 <211> 201
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903667H1
 <400> 27144

gaagaattcg aagagaaatc aaatcgaatc tcatttgatc tgtgtgtggt tgcggcggcg 60
gcaatggcgg acacttggca tcgatattcg ggacggagaa ggacaggggtg aactgcccgt 120
tctacttcaa gatcggcgcg tgcaggcacg gcgaccggtg ctcgcgtctc cacacaacat 180
acgagaaaag gtcgccgtgc c 201

<210> 27145
<211> 209
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700903670H1

<400> 27145

tccacacaac atacgacaca taactgtgag cttttctttc aggttcttaa cttgatcagt 60
cagtagtgct cagantctaa gggtagttgc aaattgcaat ggctaagcat gatgttgagg 120
gtgggttcctt ctctgcaaag gactaccatg atcctcctcc agcaccgttg attgatgctg 180
aggaactcac acagtgggtcc ttctacagg 209

<210> 27146
<211> 83
<212> DNA
<213> Glycine max

<223> Clone ID: 700903578H1

<400> 27146

cttaactcaa ttctagtttt gtagtgagaa gaaaaaaacc aaccactctt tttctttcat 60
ttgcaatttc tgtgtcacca atc 83

<210> 27147
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700903579H1

<400> 27147

gtggtgatgg gtgggtgagt ccgaattgtg aaagtaagca aagatggctt tcacggaatc 60

gtctctcctc cttccttcgg tttcaggaac caacaagaac aagaacaagg ttccagaaga 120
 caaatgggtt tagcctacat tgtgtatatt accctgggtc tcggttacct tctcccatgg 180
 aacgctttca tcaccgccgt tgattacttc tcctttctct accctgacgc cagcggttgac 240
 cgcattcttcg 250

<210> 27148
 <211> 151
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903581H1
 <400> 27148

ataaactcct accaagggtc tctcggtcac tcctctctct ctcacgtac gtgcatccat 60
 ctctcaacac caaattacta cttgcttctc ttattactct cccaatatt gcctcttgta 120
 ctttttatgt gattgccctt gaacccttca a 151

<210> 27149
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903582H1
 <400> 27149

gctaaattag attagtatct cctcaagcaa aacctagagc tcccacactc ctccactact 60
 tagaatatta aaagcccctt ccttcatcaa ggtactactg tttcatcttc cctcaaagat 120
 tggaacaaaa caggaacatg ggtactctaa caactgttcc tgtgctccct tctaagctta 180
 ataagccttc gctttctccg cgtcacaatt ctctttttcc ctactacgga agacgcgtcg 240
 ggaagaaga 249

<210> 27150
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903583H1
 <400> 27150

actcgagctg aattcggctc gagcgagact gcgtgtggtg tccttataga ttggctgcaa 60
 tattaccctt tttcattttt gaactatcgt ttgaaattga agtacaatgg cactttcctt 120
 cagggatgaa gtgatacctt tggagccatt caagttccct ccgagaaatt atggggagca 180
 caaactcaaa gatcgttgca gaacttcgat atcgggtgggc cccgcgaacg catgcccga 240
 cccatcatt 249

<210> 27151
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903585H1

<400> 27151

tcagttttct acttgaatct tcgttatcct tcttttttct tccttgaact cgaatattca 60
 ctatggcaga tgagggtggt ctgctagatt tctggccaag tccatttggg atgaggggtca 120
 ggattgactt gctgaaaagg gtatcaaata tgagtccaaa gaagaggact tgcagaacaa 180
 gagccctttg ctctcaaaa tgaaccgggt tcacaagaaa atcccgggtc tcatccacaa 240
 tggcaaac 248

<210> 27152
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903587H1

<400> 27152

tcttgctctt gttcaagatt ggcctatcaa attatgtacc agcgtctttt gttttcgggg 60
 attccctgct cgatgtaggg aacaacaact atattgtttc actggccaaa gcaaaccatg 120
 acccttagga attgattttg gaatggccac tggtcgtttc agcaatggaa gaacagttgc 180
 agatgttata aatcagaaac tgggtcttgg cttttctcct cttacttgg ctcccactac 240
 tactggatca 250

<210> 27153
 <211> 248
 <212> DNA

<213> Glycine max

<223> Clone ID: 700903591H1

<400> 27153

cttcctcctc tctctgcatc gctgcgtttt ccgaatcgaa aggtgaggtt agtaagtaac 60
aatggtggag aaggccaagg gtaggaagga ggaggttgct actcgagagt acaccatcaa 120
cctcccaaac gcttgcattg ctgcacattt aagaagaagg ctctaaagc aattaaggag 180
ataaggaagt ttgctcagaa agcgatgggg acgaatgatg taagagtga tgtgaagctc 240
aacaaggc 248

<210> 27154

<211> 65

<212> DNA

<213> Glycine max

<223> Clone ID: 700903593H1

<400> 27154

cttaccctta ctttgcctac agaagcgacc ctggcagagc tgataacctt ggtttgtgcc 60
ttttc 65

<210> 27155

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700903594H1

<400> 27155

gatattagca acaattccct cagtggtaaa atccctccta gtttagcaag atcttctagg 60
atattcagga tcaatttgag cttcaactca ctttccggat ccattcctag tagtctcact 120
atgtcccttc tctaaccatt cttgcacttc aacacaacaa tctctctggt tttatcccag 180
attcttgggg tggaactgga aagaagaaag cttcccagct tcaagttttg acgcttgatc 240
acaatct 247

<210> 27156

<211> 225

<212> DNA

<213> Glycine max

<223> Clone ID: 700903603H1

<400> 27156

gcaggacgat. gagtactcct ccagttgttg agcgcgtttc agaatgcttc atcaagccgc 60
 agcactccaa ccatgaatca aaccaaattct gctacttaac accttgggat attgctatgt 120
 tgtctgtctca ctatatccaa aagggccttc tttcaagaa gccctcatca ccacttgta 180
 gtcacaataa tttcatagag aacctgttgc agaagctcaa gcact 225

<210> 27157

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: 700903604H1

<400> 27157

ggaaattcca cagagaagat ccagtttttg ataaaattga tgctgaacta ttatccagag 60
 gtcttggaat gactgttccc ggaggttggt gcatagggaa aagggagaat ggcaccgatc 120
 cctgctctga agtcggtgat actaacgttc tgaggcctgg ccaggttcc aagagacttg 180
 aaacattaat caactcattg ttgtcgaatg aaaagttcc 219

<210> 27158

<211> 79

<212> DNA

<213> Glycine max

<223> Clone ID: 700903605H1

<400> 27158

ctcaaattgc tttcggtttt cgttctgatt ctgcaaaatc atggagatgg agcgcatcgt 60
 tgaattcccc cacacatac 79

<210> 27159

<211> 215

<212> DNA

<213> Glycine max

<223> Clone ID: 700903606H1

<400> 27159

gtttgatcct ggctcagaag gaacgctagc tatatgctta acacatgcaa gtcgaacgtt 60
 gttttcgggg agctgggcag aaggaaaaga ggctcctagc gtgaagggttg cttgtctcgc 120
 ccaggaggtg ggaacagttg aaaacaaagt ggcgaacggg tgcgtaatgc gtgggaatct 180
 gccgaacagt tcgggccaaa tcctgaagaa agcta 215

<210> 27160

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700903610H1

<400> 27160

gtacaacttg aagataagaa accatcaggt caaggaccac caaagtcaac ccagacttct 60
 acaaaagcct cctctaccaa ccccccaaca caaaaacctg ctgcatatcg tcctccacat 120
 gctaagaatg catctgctat tcaggcagag ttgtttggag agactcctgc agaaccactg 180
 agcaagaatg cattacgaaa caagaaaaag agggaaaaac agaa 224

<210> 27161

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700903611H1

<400> 27161

agcaagcaaa ggcgaggaga aagagaggca gcaaacaaaa acaatggcga cgtcgctctc 60
 tgtttcgcca tctctctctc tcaacactct cttcatcgtc aaagcgcttc cactatctcg 120
 cccctctatt ctctctctcc ctctcccaa atccctactc tctctctcca cgcgccgccg 180
 caccttcate gtccgcgccg aatccccaaa cggcgccgac cccgttc 227

<210> 27162

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700903612H1

<400> 27162

aatggaaaaa gaggaggagg agcagcgagcagg tggaggctat acgaaggcta caatgagctc 60
 cacgcgctgg ccaggtatt gcacacgccc ttgcagcccc ccgcgctctt ggtcgtcggc 120
 caccagaccg acggcaagag cgcctagtc gaggccctga tgggcttcca gttcaaccac 180
 gtcggcgggc gcacaaaac ccgcgcgccc atcacctcc acacaacat 229

<210> 27163

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700903613H1

<400> 27163

ctttgattgc tttatatgaa ggagatgcca catcagaaac tactcatatt gagattgagc 60
 cttttaccat cttgggagtt attgcagggt taattccata tcctcatcat aatcagtcac 120
 ctagaaacac gtatcagtgt gccatgggta agcaagctat gggaaatata gcatttaacc 180
 agctgcgccg gatggacagt ttgctttacc tactggttta tcctcaacg 229

<210> 27164

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700903614H1

<400> 27164

caatatcttc tttgtcgctt ttattatctg tttttccggc gatggattcc ggcgcgtggc 60
 tcctgttcct ggtggctcgtg gctgtctcaa cgccgggcca cattcactct gaagcgatcc 120
 tgagactccc gtccgagagc gaggagatct cgcgcgacta ctgacagcgt ggatgctggc 180
 ggtggagacg aacaacgccg ggacgtggaa ccgcgtgccg gcgagttgcg tggact 236

<210> 27165

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700903615H1

<400> 27165

ctctctcgct ctctttcgct gcgtcctcgg ttatggcttc tcgcaggctc tcatcatctc 60
 tgctccgacc attcctccgt ccattctctgc cggaatttca agctccgacc cctttccggc 120
 tattctctgt cccaaacttt tccactcgcg tttctccggt cgccattaca aaattacctg 180
 ggactgaggt attctcacia tttgagtccg gtaatggttt agcatcagtg ctgagaagct 240
 ctg 243

<210> 27166

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700903616H1

<400> 27166

ctcagtgacc agagacagat gatgatggag atggcgaaacg aacacgctgt cggttgcggca 60
 ctgcggcggt tgggtctact cgcgggcgagg gttccatgct cactttcgaa gggcagaaga 120
 tccaaggcgc ttccaacatc gttgccaagc tcacctccct cccttttcag cagtgccacc 180
 actcaatctc caccgtcgac tgccagccct ccggcgtaaa cgcggcgatgc tcgtctt 237

<210> 27167

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: 700903619H1

<400> 27167

attcaaagaa ggcgtcttca taaacgcctt tattctccgt ttccgtttcc ttcccggaa 60
 tcgatttttc atctctgaaa atgagagagt gcatctcgat ccacattggt caggccggta 120
 tccaggtcgg aaatgcttgc tgggagctct actgtcttga gcacggcatc gggccccgatg 180
 ggcaaagtc aagtgacaaa acagttggcg gaggtgatg 219

<210> 27168

<211> 216

<212> DNA

<213> Glycine max

<223> Clone ID: 700903620H1

<400> 27168

cggatctctt cttcagtggg ggaagctact agaactag tttgctcagc actgcgatga 60
 ggaagtggac ggttgcttcc gctctccttc ttctctctct cctctttctc tttgcagatc 120
 aaggtcgaaa gtttcaggcg aatgccgagg gagattccga cgagcttgta gatcctccga 180
 aggtggagga caagatcggg gctgtgcctc atggcc 216

<210> 27169

<211> 122

<212> DNA

<213> Glycine max

<223> Clone ID: 700903621H1

<400> 27169

cacccttggg taccacttgt atcactccat caccttgacc aattcagccc cttctttccc 60
 aaccagactc aattacactc aatgaaaaag ctcatcagtg cataccacat tgaccctgcc 120
 cg 122

<210> 27170

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 700903622H1

<400> 27170

cctggattcc ataatctgtg ttaggaaaac ttccacatcc aaggtctaaa gaaccactgg 60
 tgacaaaaat tgtgaaaagg ggttccttga ttttcaccaa ttcattggcat ttcagcacta 120
 catttcccg gatttgaaaa ccatcccaaa tgctgtgact gaggcagaaa accccaatgg 180
 ttgttttgat tgtaacatct gcttagactt tgca 214

<210> 27171

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700903577H1

<400> 27171

tgaaccaat tccacattct tcttttcgag tcacaccatg aaacctcttt tcggcttcgc 60
aatcggttc ctctctctcc tacattcttc tcttgcttc gacatccctt accccaaagc 120
aatttcgat tgaaggatac aattgtgaag ggatttgggt ttacggcgga agatgatgtt 180
aagattacgg ggttcgatcc gagagacgcc gaggtagggc attccgtgga gtaccaattc 240
gacctcaaaa tcg 253

<210> 27172

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 700903623H1

<400> 27172

ctctgttctt cttctgggtc tcgttactct ttcagattgt tgctaaattt ggcagaaaaa 60
agccacgtgt atttctgaga gattgtgttg tgtataatga ggactttcgt tgaggattgg 120
aacctggagt gttggggggt aaggaaaact agaaccgaat gatgcgtaaa ccagtgtcac 180
aagaaaagac aattgcttta cgcattcttc gggt 214

<210> 27173

<211> 221

<212> DNA

<213> Glycine max

<223> Clone ID: 700903625H1

<400> 27173

gcaaaagaag ccagcaatgg ccaagtccaa gaacaatgcc aagaagttgt cctacatctc 60
agttccatct cagatcatca attccatctc atcttcatct cttcaatctc tgcttgaatc 120
tcccaagaag tgtgcaaggc actccaaatt cttcaccttt gtcaagtgca tgaggccaag 180
actcttcttc cttttcaccc tctttttcct tgctttcttt g 221

<210> 27174

<211> 222

<212> DNA

<213> Glycine max

<223> Clone ID: 700903626H1

<400> 27174

attcattgtc ttaatgtag caatgtcttc ctctttctcc atccatttct tctctctcct 60
 ctcaatagcc ctttgctcag tttgttgctt agcagcatct caagctccca ccaccaaadc 120
 acaccctat atccttccca ttaagaaaga ccccgcaaca aatttgtact acacttcagt 180
 tggcattgga actcctaggc acaactttga ttagtcatt ga 222

<210> 27175

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700903627H1

<400> 27175

cacctctgta gtgtagccac caccaatcac aaatagccct cttggccttc aatttcgtcc 60
 aattccaaat catggctagc ttttcagttt tcacgtctta cattgttttg agtctagtga 120
 tggcactagc aattagcggc ttcaatttca aaggggcaga ggcagcacgt gccttctttg 180
 tgtttggtga ttctctcggt gacaatggca acaacaacta ctt 223

<210> 27176

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700903531H1

<400> 27176

cagttttctca gtttcttatt cgtagatct catcttacac tcaccgtcaa gttcgtctcg 60
 cgccaccgtc gacgcagttc cgccactgc ctttggttcc ctactttct gtctcttctt 120
 cttcttctca gaaatctct tctcagaagg ttgaaacggg tcatcaagac acagtccatg 180
 atgttgcat ggattattat ggtaagaggc tggccacggc ttcacgat cacacgatta 240
 agataattgg ggtgagc 257

<210> 27177

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700903535H1

<400> 27177

agcgaattaa gacagtctct gaggttttgc aggtaagttt tattaaattc agcatgataa 60
tataatttga gaattagaat tttgtattta ggttttagc tgtgtagagt atctcctcaa 120
aagttatgga agcctggata atcggcctct ctctataaga ttaaagggac tggaatgcat 180
gaaaggttct ttggcaaaag cccgggttct gtatgctcct gtggaagaga ttgccagtga 240
gggtcgtctt ttacgtg 257

<210> 27178

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700903538H1

<400> 27178

gaaacacaca gaagacagag tgagacgctt ctcacgatgg agggaggagt atactacgcg 60
cgcatgcctc ggggtcaaat ccgcgagctg aaggacgact acgccaagtt cgagctccgc 120
gacaccgacg cgagatcgcc aacgcgctgc ggcgcgtgat gatcgcgag gtgccgacgg 180
tcgccatcga cctcgtggag atcgaggcca actcctcggg gctcaatgac gagtttatcg 240
ctcacaggct gggcc 255

<210> 27179

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700903540H1

<400> 27179

ccactgaaac cttcacctcc ttctcaggtt ccgcccaga aggattcacc tgttgctggg 60
gatgataata atgtcattac attagagttt cagaggcaga aggctaagga gcttcaggag 120
tatttcaaac agaaaagctt gaagatgcaa atcaggggcc tttctttgga ttcatggca 180
aaaatgagat tagcaatgga agatgggcaa tgtttggtt tgctgttga ttgctaacag 240

agtatgctcc gggatca

257

<210> 27180
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700903541H1

<400> 27180

gctatggagt ggaaaatatg tggatgtagg agatttcggg atgaatggcc tcaaaacgct 60
ttgtcgtttg tggttattga gtcttgagt atcttgatc cgcaccttg ccatgacagg 120
tgcgcttgca tgcagggtcaa aaaatgttaa taaaaaaagt tttattgggt tggggagaga 180
tcgcacgggg gttgcccggt gtctcttctt cttgtgtgt gtggtgtttg ctgtgctctc 240
cttttcgtta tgcc 254

<210> 27181
<211> 256
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700903542H1

<400> 27181

gcataacagc accaacaatg gtgaagcatt acagaccccc ggggaagaaa aaggagggaa 60
atgctgcaa atttgttatt aggtcacagg cactcaagca gtttcaaatt agtttacctt 120
ttttcaggaa acttgatttt tgaaagggtg aactccccgg gagcccaaga aaaagttcaa 180
gggaactcat cagacttatt accatgtcaa ggatgtttcc ttccttcac acgagccttt 240
gngtgaaata cataga 256

<210> 27182
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700903544H1

<400> 27182

gtgccacact gacacatcag aatggaaccc taaacatttg gcctttcagg tgctcaaagt 60

taagccagga actattcctg tctgccactt ccttcctgag gatcatgttg tttgggttcc 120
 caagtagatt tgcttcaagt cctttttcca tatatgtcct tgaataacta gcttcaatag 180
 catcagctac agaactcgat gcatgtattt gctcgtacta tatagttctc tagatatgta 240
 tacttttttg ctg 253

<210> 27183
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903545H1
 <400> 27183

ctagagtctt cagtttctcc tcgttggtct tcgctttcct gttttcaatt tcgattcttt 60
 cgttaattta ataagatgtt tgggagggca cgaagaagag cgataatacg aggtactacg 120
 aaatcctcgg ctctccaaga acgcttcgca ggatgatctg aagaaggctt acaagaaagc 180
 cgccattaag aatcaccccg acaagggcgg tgatcccag aagtttaaag agctggcgca 240
 agcttatgag gttctg 256

<210> 27184
 <211> 84
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903546H1
 <400> 27184

gtgagagtga agcgagaagc gagaagcgac atggatccag acgcgttggc aaatgcattc 60
 gtggagcact actactccac cttc 84

<210> 27185
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903549H1
 <400> 27185

gccttgcttt cttcttcact tcaaacttgc taatctcgaa gatggcaata gaattggcat 60

ctcccaattg ggttccaacc gcagccgcat gtttggcagc cttggccgcc ctctctctct 120
tctctctccg cggctccgcc gccgtaaata caatctcccc ccaggcccca agccctggcc 180
catcataggc aacctaaact taatcggctc cttcccacac aagtcgaaat taacgctgag 240
taaaacatac ggg 253

<210> 27186
<211> 251
<212> DNA
<213> Glycine max
<223> Clone ID: 700903551H1
<400> 27186

cgcatgagag atggaggtag tgggcaaggt gggcgaggtg atttctttcc tggtaggggc 60
aacaggggta ggggatccgg tggccctcgt gggggtcagtg ttggttgggg taggggtgaa 120
cgtggtatgg tgatcggat aacatggagg ggcgtggaca aggtcgtgga cgtggaagat 180
ttgacaatag aagagatgtt tcttccaaag gtagaggcag aagtcatagt cgtagccctg 240
aaagagtccg a 251

<210> 27187
<211> 254
<212> DNA
<213> Glycine max
<223> Clone ID: 700903553H1
<400> 27187

ctcttataat ccttgctttg gtgcctcttc taggactaaa tggatatctg caattcaagt 60
tcttaaaagg attcagtgca gatacaatga aattgtatga ggaagcaagc caagtggcaa 120
atgatgctgt gggagtataa gaacagttgc ttctttctgt gctgaagaga aggtgatgga 180
attataccag gaaaaatgtg aaggaccaat taagacaggc aaaaggcaag ggataataag 240
tggaattagt ttg 254

<210> 27188
<211> 140
<212> DNA
<213> Glycine max

<223> Clone ID: 700903554H1

<400> 27188

taatggggca agtggagggt atgattatat aatagtgggg ggtggaacag caggggtgtcc 60
attggctgca accctgtctc agaagttcaa agttctgctg cttgaaagag gaggagtccc 120
tttcaacaac ccaatgtgtc 140

<210> 27189

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700903556H1

<400> 27189

cacaagccta gtgaaagtga gaaaaaataa aatcaaaga gcataatgtc agggatcatt 60
cacaagattg gggagaccct tcatctggga gggcacaaga aggaggatga gcataagggt 120
gagcaccatg ctgagaatac aaaggggagc accatggtga acacagtagt gagtacaaag 180
gagagcatca tggatgaacac aaagctggag agtaccatgg tgagcacaag ccagagcaca 240
aagagggggt cctag 255

<210> 27190

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700903558H1

<400> 27190

acgacggctc cgtcgaacgg cgtcggcgcg tatccggcgg cgcgagtacc gcaaggaccg 60
ggaggagtgg agcgacacgg cgattgtgtg cctcctcgag gcgtacacgg agaagttcac 120
gcagttgaac gggggaacct gaggggaagg gattgggagg aggttgcggc ggtggtgagc 180
gaacggtgcg agaatcaatc aaagagcgtt gaacagtgtg aaaacaaggt cgataaccta 240
aagaagag 248

<210> 27191

<211> 254

<212> DNA
<213> Glycine max

<223> Clone ID: 700903560H1

<400> 27191

aaaaaaaggt acatcattta gatggtatgc cgcagttgtg taaggtcttt ggttggtcaa 60
gctggaacct tcgccaacag agtgagaatc aacggatttg ggaggagttt gcaggcagtt 120
cagagttttt ccattggcca attcgtgaat acaagacaac cacaaggatg atggttgata 180
cgggttctat gtcaagggtt ggaccccttg ttgatacgat gccagagaaa gatgatgatg 240
gtcggtttgc cagt 254

<210> 27192
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700903561H1

<400> 27192

ccctatcgcg caggagaatg tgttggtctt ttctccccga cgaactgtgg aggccaattc 60
tgagatcgcg aatcgagagc aacggtttca gttacaagga tctctgctgc gtctcaatct 120
catgccgccg cttcatcgcc tctcctcgga agaactcttt tggaaccgtc ttctcttctc 180
tgactatccc caatcccaat ctcacccttc ttcttcttct tcttcttctt cttctaaatc 240
tctttacaga ttaa 254

<210> 27193
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700903562H1

<400> 27193

gaggaatctt gagaaatggc aggggacagc aagagcaaga ttctgttcat cggagggact 60
ggttacatcg gaaaattcat cgtggaagcc agcgccaaag ctggccaccc aactttcctt 120
ttggtgaggg atccactctc tccaaccccg caaaatcacc cctcatcgac aatttcaaag 180
gcctcgggtg caatcttgtt ttaggagatc tatacgatca ccagagtttg gtgagtgcta 240

taaagcaggt cgat

254

<210> 27194
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 700903563H1

<400> 27194

tgttcctctc ttctcctgaa ggatatgcag tgcagatgtg tgggtgtgaag tggcgaatcc 60
ccaaaatggg tgacaacaga aagaagcacc gtcgtgtgca agactcgccg tcttctcat 120
cctcttcgtg ctcgactccg acgactcttc gcggcgccgg cggcgaggc gtcgagagaa 180
ggagatgctc agaaagagcg aggaaaagga ggagcgaagg atgaggaaga gag 233

<210> 27195
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700903565H1

<400> 27195

aaataaagaa aattttctct tcgagatggg gaaccccact atgagcacat aatcataatc 60
atgaagaaag caggagcat aagctctggt ctcaaactca cagttcctgc tgcattgat 120
cgtgattcat ttcaaagttc cggctctgagc ctgaaagtgg aacgtttaag gctggtgact 180
tgcttgtaa taatgaagga gtctgaattg tctctgagaa tgaagtggaa gctccacccc 240
cgatcaggcc acaaga 256

<210> 27196
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700903566H1

<400> 27196

ttctgaatgt gctcgttggt tagaaaaccc taatctgatt caattccagc atgggtcaaa 60
aacaaaagct gcgccttct cctctggagc agccaccac cgcttctct tccgattccg 120

aggaagaaga gagcaacaac aacaacaacc atcctctcag caacacgaag aagaggaaga 180
 agaagtttcc tccggagaag aagaggaagc ttcctccgaa gaagaggaag acgaaaagtg 240
 ccctcaccac cca 253

<210> 27197
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903567H1
 <400> 27197

aaccaggatg agttggatga catcataaga tatggctcaa aggagttatt tgcagatgag 60
 aatgatgaag caggcaaadc cgcgcaaatt cattatgatg ctgctgctat tgatagattg 120
 ctggatcgta tcaagttgga gatgaagagg ctactttgga tgatgaagat gaagatggat 180
 ttctgaaggc ttttaagggtt gcaaattttg aatatgttga tgaggctgag gctgcagcag 240
 aggatgacct 250

<210> 27198
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903573H1
 <400> 27198

cagcattcaa caaacctctt caccttctct atcttccaat cccatttttc attccctgtc 60
 gtctttcttt gctttctcat ccttttctt ttcccaagca attgtactct ttaggggcat 120
 aatacacgta agcaagttgg tttctggagt agttagagtt acatgtgttt tgcaggcaca 180
 tggcaatata tgaactggat cccgatgttg ttcgctgggg tcttcatctc ctagatgatt 240
 gcacactttc c 251

<210> 27199
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903574H1

<400> 27199

catttggtga tgtatctact caaattcaac atttgattga ggttctatct ggggatggct 60
 ctgtggctat gtgggtgggat gaacaaagaa tttggattct gaagtcagtt accagcatat 120
 ttgcaatata gatggaatca agaagtggct ggggttgaac aaggtgaaat tcaacttgct 180
 aaacaaagcc attgacaaag agaagctcaa gaaatatgag caaggtaggt tcgatttcca 240
 aggtgcagct 250

<210> 27200

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700903576H1

<400> 27200

gcctccggca gatattctgc aggctgccac tgagggaat aatgatatgc cgctcagtg 60
 caaaattctt cctgcagctg ctctcaacac ctctgttctt ccaggctctc tccagctccc 120
 atccaccctc cagctcctgg ccctccgcaa ccgccaccac accccttctc acacctctct 180
 cccctcttc gaccccgcca ccaaactatg gctccacttc cccctcgact tccctccctt 240
 ccactccct ct 252

<210> 27201

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700903530H1

<400> 27201

tagagatgac acccagtgc gatactgagg agtcagaagt attaagtcca aggagaaatc 60
 ttgaggagga atatttgacc tatgaagcca agattattac caccttcagt gtagtggata 120
 acataaaaca gcagtttatg ctcaacaggg gagaatttcc aggaaagatg aagagagagt 180
 taaagagctg tttgaagcca ttgaaaagt acgaactcaa tttgagtcta tagagagacc 240
 aattcttgaa atagaga 257

<210> 27202
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903484H1

<400> 27202

agttgaagaa gcctgaacgt tatgtaaaaa aagaagaaaa gaaaggtgtg gttgagggag 60
 tgaggaaatg gtgcacagcg cgtacgattg tctggaactg gtgcgcgagt gcccagccaa 120
 gatcgaatcc atcgaatcct acgattcgaa gcttctcgtg ggctgctccg atggatcgct 180
 ccgaatatcc gccccggaaa cggaatcttc ctctccaac gggccaagt cctacgcgtt 240
 ggagaagaa 249

<210> 27203
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903485H1

<400> 27203

gctcccaact gagtaatcat gatggcaaag caaagtctaa aacaccacac agtgagattc 60
 tgaaccaaga caaagaaagg gttaagtaca ttaactcaag gatctcaaag aacttgggcc 120
 aagatagtag tgtgagtga ttggactcag ttacactacc agccaagtct ggtagcctta 180
 ttgggtctgg gaattacttt gtggttgttg gtcttggaac acccaagagg gacttgtcac 240
 tcatctttga 250

<210> 27204
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903487H1

<400> 27204

cgaagtagaa ggaaagaagc aatcatttcc aatgaaacag atactactaa tggagatgag 60
 ttggtacact agtcctgaag aggggtgctgg tgaatctagt tcttgtgctt cagacgttta 120
 tcgattgggg gttctccttt ttgagctatt ttgtccgctc agctcaagag aagaaaagag 180

tagaaccatg tctagcctta gacacagagt tcttctcca cagttacttc taaagtggcc 240

taaagaa 247

<210> 27205

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700903488H1

<400> 27205

gtaactgtca gcatcattct gccgtcgacg aagctgaaac ttgtttcttc ttttcttgc 60

gcgaaccttt tctactaacc ccaatcgctt ctctccact ccaattcccc attcctcatc 120

tacataacct caacccaca ctctcacaca ccaccaccaa catcatatat tacatcgatt 180

ctcaatcaaa tcccaaactg ttgaaacca ccgtcacgat gatgctcaga attcgtagcc 240

gcgacggcct g 251

<210> 27206

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700903489H1

<400> 27206

cataacgaga atctgagcgt gaatttgagt agcgagggga gtttggagga ctatgattcg 60

atggagagtc agaattctca atgggcgcag gggaaagcag gggaggatcg tgttcatggt 120

gtggtgtctg aggaacacgg ttgggttttc gtggggatct atgatggttt cagtggacct 180

gatgcacctg attaccttct ctccaatctc tacaccgcgg tgcataagga gcttaaaggg 240

ttgttgt 247

<210> 27207

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700903490H1

<400> 27207

ggaaggtttg gaattgctga aaactgccat tgccaaagct ggttacacag gcaaagttgt 60
cattggaatg gatgttcag cttctgaatt ctacaaggaa gataaaacat acgatttgaa 120
cttcaaggaa gataacaatg atggctcaca gaagatctct ggagatgctt tgaaagatct 180
atacaagtca tttgtgacag agtatccaat tgtttcaatt gaggatcctt ttgaccagga 240
tgactggg 248

<210> 27208
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700903501H1

<400> 27208

aacagccacc gttgatttga tgcttaacct ctcaccaag gaagctgctg ctgctgatgg 60
tgcagatcca cgtgagaagc caaagacttc gccgaaggag aagacccttc tgcttcccga 120
tcccgccaag cctcctgcca agcgcaagtg gtgggatggc caccgtgag gtctttccgg 180
aagaacatgt tgcagccca aaagagcagc ggcggagagg aaagcgaaaa gagcagccct 240
aatgcaagct ttgtcaaagt tagcatgg 268

<210> 27209
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700903502H1

<400> 27209

acaaactcaa aaatcaaaaa ccaaagggc actgactaat tttcacaatc aactggattc 60
aagctggttt tctcttctc ttcttcatgt tcattgattg gatcccatct caccccaatt 120
ttctaagtct ttgtctctca tctccacgt gcactttcct cttctccgct ctaaataatt 180
ctacattctc tctctctctc tctctctctc aatacaatat tatatgtgtg tgtggaaaaa 240
agaaccgttt ttcttttcag cg 262

<210> 27210
<211> 83

<212> DNA
 <213> Glycine max

<223> Clone ID: 700903504H1

<400> 27210

gtaggtttgt acatcttttg gtttggggcg aaagttcagc cttgtcagat ttgcatcaat 60
 ttcaacagag aacaacgtca ttt 83

<210> 27211
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903505H1

<400> 27211

gaaaaagtta gggtttgtaa ctttgtcttt tgcttgcgaa tctgaatcga ataataatca 60
 atcaatcatc atgtcgtcgg cgaagaagat cacactgaag agttcggacg gcgaggcttt 120
 cgagggtggac gaggcggtgc gctggagtct cagacgataa agcacatgat cgaggacgac 180
 tgcgccgaca gcggcatccc tctgccgaac gtgacgagca agatcctggc gaagggtgatc 240
 gagtactgca agaagcacgt c 261

<210> 27212
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903506H1

<400> 27212

cacctttctc ctaaaacatc tccagtgggt tcttcttctt ctattacaac aacgtcctac 60
 aagaccatga ccatggccat ggccacgacg ctgctcctgt tcacggtctt cgcggtttca 120
 tcggccctag acatgtcgaa atctcgtacg acaacgccca cgccgccacg tcgcgcacac 180
 agtggagctg atgtccatgt acgagcagtg gctagtaaag cacggcaagg tgtacaacgc 240
 gctcggagag aaggagaaga g 261

<210> 27213
 <211> 262

<212> DNA
<213> Glycine max

<223> Clone ID: 700903507H1

<400> 27213

agggatgaga gagagaaaat tccagactca agtgctgtaa agccagatga ctgggatgag 60
aatgcaccct tggaaattgt tgatgaagaa gctgagaaac ctgaaggatg ggacaatgaa 120
cctgaggaga tagatgatca gaggcaacaa aaccagaaga ttgggacgat gaggaggatg 180
gtgaatggga agcccccag attgagaacc caaatgtga agcagcccc gggtgtggtg 240
agtgaagag gccaatgaag ag 262

<210> 27214
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700903510H1

<400> 27214

gcgcgtgatc attatctatc tttcaagtca tgcttaattt gtattctgtg aagtttgcaa 60
caaggagcaa aatatatatg aagaaaagct agtcaaagg tggtatatat agtttgcctt 120
ttttttgttc tcaaatctat taggctgatg tattttcctt ctctttttta cttgtgtgta 180
gttttccctg cctaaagtac gtacttagtc tttttccagt gaaagaaata agcaaaaaaa 240
aaaaggaatt accaaaatt 259

<210> 27215
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700903511H1

<400> 27215

gggtgcagaaa gggccatttt ctgaatgcgc tctatctatc tcttccgatc tggctactaa 60
ccctaaccgg cttcgaaccg tggttctctc ggctctcag aacctctctc gaagaaaatc 120
ttctttcttcg tcttcgtttc tcaacaaact tccgggtcga cccggatcgt ttaccgcgaa 180
cctcggatcc catcggaatc caattttccg atctggcagc agaactgggt catcgcatg 240

ctcttctca tggctctcg

259

<210> 27216

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700903512H1

<400> 27216

ctagaaacag tgtgatgaaa atgaaggtcc ttgttttctt cgttgctaca attttggtag 60

catggcaatg ccatgcgtac gatatgttcc ctctccgaat gaacactggc tatggtgccc 120

gtactccgga ggtgaaagcg caagttggag gcttgctgat ggaagcacac aacatctttg 180

gctttgagac cattcctgaa gagtgcgttg aagcaacaaa ggaatacatc catggcgaac 240

aatatagatc agactccaaa a 261

<210> 27217

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700903513H1

<400> 27217

ggcgttctac agcgaggagg cgaagttgaa caatgaatcg gacgatttgc agaactctat 60

cagactcact aaggataaca tcaaggctat cattatggac gtgatgttcg gaggcacgga 120

aacggtagcg tcagcgatcg agtgggcat ggcggagctc atgagaagcc cagaagatca 180

aaagcgggtc caacaagagc tggcggatgt agtgggcctg gaccgtcggg ccgaagagtc 240

cgatttcgag aaactcactt at 262

<210> 27218

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700903514H1

<400> 27218

acgcggtgag tgagtgagag acggaaagta caaagccacc gtcttctctt ctcagagctt 60

ggctttgctt atcgattctc tctcctctca tctttctcat tcaaggtttg taaaagatgg 120
 ccgatgctga ggatattaac cccttgtttg tgacaatgga actggaatgg tcaaggctgg 180
 atttgctggt gatgatgctc ccagggtgtg ctttcccagt attgttggcc gacctcgaca 240
 cactggtggt atggttggga t 261

<210> 27219
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903517H1

<400> 27219
 ctgaacaaaa tcatcacaca cacatactaa gaagcaacaa ttcttctaca atggatctcc 60
 tccttctgga aaagaccctc ataggtctct tctcgtctgc ggtggtcgcc atcgccgtct 120
 ccaccctccg cggccggaat tcaagctccc accgggcccac ctccccgtcc caatcttcgg 180
 caactggctc caagtggcg acgacctcaa ccaccgcaac ctcaccgatt tggccaaaaa 240
 attcggtgac atcttctctc tccg 264

<210> 27220
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903518H1

<400> 27220
 gcgcggtgag tgagtgagag acggaaagtg caaagccacc gtcttctctt ctcagagctt 60
 ggctttgctt atcgattctc tctcctctca tctttctcat tcaaggtttg taaaagatgg 120
 ccgatgctga ggatattaac cccttgtttg tgacaatgga actggaatgg tcaaggctgg 180
 atttgctggt gatgatgctc ccagggtgtg ctttcccagt attgttggcc gacctcgaca 240
 cactggtggt atggttggg 259

<210> 27221
 <211> 93
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903520H1

<400> 27221

gaagtaataa gttctaaatg ttcgtgactg aaatgcatgt acttccattg tattttgact 60
 tttatccttg atcacatgtg atgtttgaca gac 93

<210> 27222
 <211> 87
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903521H1

<400> 27222

tgaaaatggg ttcttctttg tggactttgt gtctaatttt ggcttcacta gcctcttctg 60
 cattctgtgc ctttccacac aagatac 87

<210> 27223
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903522H1

<400> 27223

ctcaataccc ttttgatttg tgaaaggaaa gcaaacatgc ttgatcaggt ccaacaccct 60
 acaatcatgg acaagggtgc tggccagctc catctccgtt ctggtgtttc tggattagg 120
 agttatgaag gagcctctgc taccacacaa tgtaccaaag accctctttt gggaattact 180
 cgaatgctgc attgcagtat cctgtgatgc cctcatgcaa agctactatg gatttgtctg 240
 ctgctgcaac aactgcctc 259

<210> 27224
 <211> 145
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903524H1

<400> 27224

ggcgtgcaga gaatctcaca ggtgcggaat atgaagccat agacaagata ctactgaaca 60

aacacgaaat ggtcttcaat tttgtctctg cactaataac aacagtattg ctctccggag 120
ccatagttga agttaaggtc ttcca 145

<210> 27225
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700903525H1

<400> 27225

tggagcagaa gaaggcaaag atagtggcag agtccaagc tgtgaagcac aacagtggca 60
agtcctacaa tcagttagcg gaggagactg gactcaccaa cgtctatggt gctcagcttc 120
tcaggagaca ggctcactca atccccaaac tgcacctcta ctccgggcag cgctgcccga 180
cctgccccaa gaccttggtt ctgagatgat gagacccctt ttgaggtctt atgaccctaa 240
tctcatccaa gacccactg 260

<210> 27226
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700903527H1

<400> 27226

cattaatggc tgattttggt gactattttg gggtgctttt catttggtta gcctccatct 60
tcattttacg tgtaatatta ttcacaaagt ctgcaccaa gtcacgtcta cccccaagtc 120
ctagagccct ccttggttag gacacctcta cctcctcacc aagctcccc accaagcatt 180
ccacaacatc tcaatacgtt atggtccttt ggtctacctc ttgttcggtt ccaagccttg 240
tgttcttggt tcatcacc 258

<210> 27227
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700903528H1

<400> 27227

cttcccttct ccaacatgcc aaacgactgc gttcatagtc tttacttctt cgttaccctc 60
 ttcacatgcc ttctctctgc taattccac gatgaccata ttttctacc gagtcaactc 120
 catgacgatg actcaggagt tgcactgcta cgcacccaaa ccttaactac aagccggtga 180
 tcggaatcct gacccacccc ggcgacggtg cctctggccg gctcagcaac gccaccgggg 240
 tttcttacat cgccgcctcc 260

<210> 27228
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903482H1

<400> 27228

aaataatcgc tggccctatc acattattgt taatattctt cccttcttta cctactactt 60
 tccgaatcca gaaaacacca caacgccacc cagaattggt gggttcatt ctcaaaacag 120
 agaacaagaa gaagaagaaa gagagagagt gatcacggga aaagcaaaaa gttgtttctg 180
 tgattgattc tctgcaaccg aatcatcatc agccacttct tcccgtttca tctctcccat 240
 ttctt 245

<210> 27229
 <211> 84
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903529H1

<400> 27229

atcttttccg ggggtacaat acaaattccg aaccccccat attcctccct cgccgatcgc 60
 tcacgtcaga tttgtttttg tttt 84

<210> 27230
 <211> 88
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903431H1

<400> 27230

ctttcaatac cattgtacta caatattgcc ctctaagttt ttgcttctta atccacaccc 60
 tttccacag cctttcattg tgctgggt 88

<210> 27231
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903432H1

<400> 27231

aaaacactca attctcttct cttctcttct gggtttttgc tttttcctca ttctctcatt 60
 ctcaaacacc acaaaaaaat gggccttggt tcccaggatg ccctcaacca actccaagct 120
 ctcatggatc aagtgtact tgaggaggag ccaactgcaga gaacgtttca gaatgttcat 180
 caaggatgtg tcaccgaaac cttaacacgg tttctaaaag caagggagtg gaatgttacc 240
 aaggcccata aaatgatagt cgat 264

<210> 27232
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903434H1

<400> 27232

attgaatcgt aagcagcggc taccctaatac ctctctctt cctctctact aatttcagct 60
 atggccgacg aagctgtggt tgttccagat cccaccaga tcgatctcaa gctctttaac 120
 cgctggagct tcgacgatat tgaggtacca atttccatgt ttttaggggt cagctgctta 180
 ttaaattata tcttaaaaat ctgtgatgtg tattctgttc tgatgtttt tcgatgtggt 240
 cttatgtgaa atgtgtaatt a 261

<210> 27233
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903435H1

<400> 27233

gggccacaaa ccttgactgg tacaaggggc ctactctgct agatgcactt gaccagatct 60
 ctgagcccaa gaggccttct gacaagcccc tcaggctacc ccttcaggat gtgtacaaga 120
 ttggaggaat tggaactgtg cctgtgggac gggttgagac tgggtgtcttg aagcctggaa 180
 tgggtggtgac ttttgcacca actggactga caaccgaagt taagtctgtg gaaatgcacc 240
 atgaagctct cacagaggc 259

<210> 27234
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903436H1

<400> 27234

gggaggtgca tgcgggaacc agatcggagc caagttctgg gaggtggtgt ggcgggagac 60
 gggatcgatt caacggggag gtaccaaggg gacaacgagt tgcaactcga gcgagtcgac 120
 gtctactaca atgaagcgag ttgcggaagg ttcgtgccta gggcggtgct catggatctg 180
 gaaccagga ccatggacag cgtcagatct ggtccctacg gtcagatttt ccggccagat 240
 aacttcgtct ttggac 256

<210> 27235
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903437H1

<400> 27235

caagactcat actctcaaag cgccgcgccg cgccgcgccg tcgaactcaa atcacctctt 60
 gtcaaccggc ggcgcgtcgc aggaatcgat gaagttgcct gaagaagcag cgtcgcaatc 120
 agttcctcgc tcgctagagt tttggattcg tgtgtttgag gaggttattt atggccactt 180
 gtatggcagc gattcaacga attattcttg actcgtgaac ttggcagagg tagtgtgaat 240
 ttacgttcga aaaat 255

<210> 27236
 <211> 256

<212> DNA
<213> Glycine max

<223> Clone ID: 700903439H1

<400> 27236

aacatcatca tgcgcgacga agagcaccat ttcgagtcca aggcagacgc cgggtgcctcc 60
aaaacctacc ctcagcaagc cgggtaccatt cgcaagaacg gctacatcgt catcaaagga 120
cgcccctgca aggttgtgga agtttcgact tccaaaactg gaaagcacgg tcacgccaaag 180
tgccactttg ttggaattga tattttcact gccaaagaaac ttgaggatat tgtgccctct 240
tctcacaact gtgatg 256

<210> 27237
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700903441H1

<400> 27237

agagtatccc caccaatggg gaaagtgcgc aacaactgtg tttggctttt gctgcaaata 60
tcgtaatatc attgccattc ccatttgcag caaaagggaa tggcaatgat attacgatat 120
ttgggaatgt gcaacaaaag acactagagg tcgtgtatga tggtgagggg gggaggatag 180
ggtttggtgc tgctgggtgc aactgaagtt agtttgatta atagtggagt taattaaaca 240
tgctttgggc ttg 253

<210> 27238
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700903445H1

<400> 27238

aacaaaccca ctaagatggc ttcctttgta tccttctag tgctgcttct tgcagccctt 60
atcctcatgc ctcaagggct tgctacttac tacaaccaa ttaagaagcc accagtgtac 120
aagcctccag tgtacaagcc accagtgtac aaaccaccg tttataagcc aaaaccaccg 180
gtttacaagc cgaaaccacc gggtttacaag ccaccatata agaagccacc atacaagaaa 240

0953113-032200

ccaccttatg gaaa

254

<210> 27239
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700903446H1

<400> 27239

ctgaggcgca tttgacttct gccgctgctt ttgtggaggg tggaattcag gatgcttgtg 60
atgatgcttg cagcatatgc cttgaagctt tctgtgatag tgatccctcc acggtgacaa 120
gttgctagca tgagtttcat cttcagtgc tcttggaatg gtgtcaaaga agctcccagt 180
gccccatgtg ttggcaacct atcagtctca aagatccaac aagccaagaa ttacttgagg 240
cagtggaaag ag 252

<210> 27240
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700903448H1

<400> 27240

gttgtgtgtg tgtgcgcgtt tgtagataac tggtgattgt atgtctttca tgctatagca 60
ggagtgtata atctgagcga tgtcagatct tgaggctccc ttgcgcccta agaggaagaa 120
ggtttgggtg gactatttcg ttcagtttcg atggatcctt gttatTTTTg tggtccttcc 180
catctccttc accatttatt tccttacata ccttgggggtt gtaagatctg agtggaagtc 240
ctataagacg 250

<210> 27241
<211> 130
<212> DNA
<213> Glycine max

<223> Clone ID: 700903450H1

<400> 27241

aatattttct tttatgaaaa tggcgcgtgg caagaatctg ttctccaaa ttctgtggtg 60

tttttccttg atcggtctta gttcccaagc acagaattac gcttttggtg tgagagaggc 120
caagtataca 130

<210> 27242
<211> 119
<212> DNA
<213> Glycine max

<223> Clone ID: 700903451H1

<400> 27242

gttttaacca tggaatcagc ggcaagaaca acaacaacaa caacaactca tatagccctt 60
gtttctatcc cagctttcag ccaccaagtc tcaatcctcg agttcgcaaa acgtctcct 119

<210> 27243
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700903453H1

<400> 27243

ctttatggaa gatgttcccg acacggcggc gaaccggtcc gagccggggc tcagggcgga 60
gatcgacaca tcggtggccg ttccaatcgg tgagggaagc cgtcacgcga ttcggtggag 120
ttgggtattg gaaaccatt ctcaacggtc ttagtaacaa gcattttgcg gacactgagc 180
cgcatcacac agaagagctt gaccctgaaa aactggagga gcaagctact gtattggaga 240
aagagctgat cct 253

<210> 27244
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700903456H1

<400> 27244

gaaaagggtt tatggcttaa ctcttatgct tatggttgtg tgttccgttg cctcagggtc 60
ctcttttggg cacaccccca aggggtgtcat ggccacactt tgtttcttca gggtctggct 120
tggctttggg attggtggtg actaccctct atcagctaca atcatgtctg aatatgccaa 180

caaaaagact cgaggggcat tcattgctgc agtggttgca atgcagggtt ttggaatcct 240
 ggctggtgga at 252

<210> 27245
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903458H1

<400> 27245

agggactacc ataatttttc tctcccaaac aaaccaaga ctagaagaaa gatagaaaag 60
 agtataaaca cacaatatct ctttaaactc ttgacccttc tcttgagggc atggctttcc 120
 caattctctt ctttctcttc atttcccttc ctttctcttc cgcaaagctc aacgtctatt 180
 actacaaaaa cacatgccca gacttcgaaa aaatcgttag ggaaaacgtc ttcaccaaac 240
 aaagcgct 248

<210> 27246
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903459H1

<400> 27246

ggccaccgta ccatcaccag caacaacggg tccagtagct gcagaggcat ttgctgcagc 60
 aacagcagca gcaatggctg agaaggagc gcagcgccgc cgtcgacgag gtcgagaaga 120
 ccgtgcagtc tgaagccgtg gattcgagtt ctcaagattg gaaggcaaga ctaaagcttc 180
 caccagctga tactctcgat aaaacagagg atgtaacggc aactaaagga aatgagtttg 240
 aggattactt tt 252

<210> 27247
 <211> 159
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903462H1

<400> 27247

ctcgagccgt gcggtgctg attttgacga ggatgaattg gaagcagaac ttgaagaact 60
aggaggggtgc tgagtccgaa gaacagcttc ttcagccagc aactacagct ccggcggccc 120
cagtgcaggt ccagctggg cagcaacct ctcgccat 159

<210> 27248
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700903466H1

<400> 27248

tgagagttga aaaacaatgg atggcttggt ttgtttttat gatgatgagt agtattatat 60
aataatttat gggagcagaa agacaagaca aaacaagaga gaatgagtgg cggatgagga 120
ggagaagagg aagcaactct ggagttcact ccgacgtggg ttgtggccgc cgtttgcaca 180
gtcatcgtcg ccatatctct cgtgctgag cgcctccttc attatggcgg aaagtttctc 240
aaagccaagg accag 255

<210> 27249
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700903468H1

<400> 27249

tgggtttgtg gaacacaacg aatgcagtgt cttgccgtt tcacaagttt ggtgatgacc 60
aagagaatct ggtcttccaa ggtgatgcca cgtcttcttc caggggcata gaactcaca 120
agttagacgg tggaggaaaa ccagtgggtg gcagtgtggg gagagtgtta tactcttctc 180
cagtgcacct gtgggaaagc tctacagtgg tcgcaagctt tgagaccgga cttcaccttt 240
tccatctcat cag 253

<210> 27250
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700903469H1

<400> 27250

gtttgtccat tgtctctact cttagaacgc gcgcttctaa agagaagaga caatggatca 60
 cttgagattc aacgaaacca cccttgctct catcggaacc ctctcttgcc tctcctgtc 120
 catcactgcc gtccccctcaa ctgcgctctt ggaactcgct cccagcgaag cccccaccgc 180
 ggagcctata gcctccggca tcagcctctt cgacaatctt cttgccaagg aatcaagccc 240
 catgattctg a 251

<210> 27251

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700903471H1

<400> 27251

gtagctttgg tcccttggtt ttgttggtgct atggcgctg atgctgccgc cgccaacggc 60
 aaaaagagaa gacgctatct tcctcataac aaggcagtta agaagaaggg ttcgtaccct 120
 ctgcgggccag gcgtgcaagg ttttttcctc acttgcgatg gcggcagaga acaccaagcc 180
 tctcgtgaag ctctcaatat tctcgattcc ttttatgaag agctagttga tggggaacat 240
 tcaagtgtaa ag 252

<210> 27252

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700903472H1

<400> 27252

cggacgtacc cttgctgact acaacatcca gaaggagtca actctccact tgggtgttgcg 60
 tcttcgtggt ggtatgcaga tcttcgtcaa gacccttacg ggtaagacta ttaccctcga 120
 ggtggagagc tccgacacca ttgacaatgt gaaggcgaag atccaggaca aggaaggaat 180
 cccaccggac cagcagaggc ttatttttgc tggcaaacag ctagaggatg gaaggaccct 240
 cgctgactac aa 252

<210> 27253
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903474H1

<400> 27253

agcaaattggt ggtgctgata acctagagag ggaagacagg ggaagattta ggaacagatt 60
 gtcattctgga aggttgccgg ccactcacca tttgtcacct ggagagggaa ggggtccatga 120
 cagaataaga ggaagattgc aagatgatga gaggagaaac tccaaggatc gattgatggg 180
 gagagaacta ccgggtgata ggagtgattt tgctgggcca aaaagtcttt ctgaacttaa 240
 aaatggggagg 250

<210> 27254
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903475H1

<400> 27254

tggtcactga cctatcttgg aagagttttg aagtttaaac cttcatgccc ttttgccttt 60
 agattctgat tctgagtctc tgctgctata tatggcgcca cgcgtatttc ttgtgttggg 120
 gatgttgctg atggtgtgcc ttgttaaggt ttcgtctgat ccaaagagag aagaagaaat 180
 actggaagaa gaactacatt ttcccgataa cgagccactt attgtgagag acgggaacag 240
 aaggctaatt 249

<210> 27255
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903427H1

<400> 27255

gacaaaggta gcgtgttgta caaggggcaa ttttttcaa acctttttct ctctcgcaac 60
 ctcacctctt cctccttcaa tctctttcgg aatttcctaa aatccttagt gggaggaaga 120
 gatggttctg actcagaagc ttcacgaagc cttcaaaggc accgtcgaga ggattactgg 180

ccccgaacc gtttccgcct tcaaagaaaa aggagttctc agtgtctctg agttcgtcac 240
cgctggcgat aatctcg 257

<210> 27256
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700903476H1

<400> 27256

ggcgcgtgct tcggtgtcct cgaggcgatg ttcacctttc gtgttctcga tttccaaggt 60
ttgatttgag gtaaaataag aaccgagaat tggagttttc gaccttacct gctgggtgaat 120
gtggagtttt gtaatgcagt ttatcaaate aatatccggt ttttttttagc tctccagtgg 180
tgaatgtact tgctgataat tattttttat gatattctat tgtgatgaag ttgatgttga 240
tgttgagtt 249

<210> 27257
<211> 86
<212> DNA
<213> Glycine max

<223> Clone ID: 700903479H1

<400> 27257

cgaaaggcca gtgaaagcca agattgggag attgagaatg gaaagggcgt ggattgttca 60
agctcacaga ggcgtcagtg gaagcc 86

<210> 27258
<211> 87
<212> DNA
<213> Glycine max

<223> Clone ID: 700903362H1

<400> 27258

tgtgagtatg agaaaaggct tcctgcaccg agcacaccaa cttgagacct ctgattcttt 60
ctttgcttag aattccacac aacatac 87

<210> 27259
 <211> 182
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903363H1

<400> 27259

ataaaattct tccaccaagt tatgggtttc. cttgtgttgc ttcttttctc cctcttaggt 60
 ctctcttcta gttccagcat atcaactcat cgttccatat tggaccttga cctaaccaag 120
 tttaccacac agaaacaggt gtcttcactg ttccaactat ggaagagtga gcatggacgt 180
 gt 182

<210> 27260
 <211> 180
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903366H1

<400> 27260

ggcatattgt gccctccctc tttctagcta tttccctctc ttaacacaat taacaaagat 60
 atatcatatg ctatcaactc caaatgatga aaaatattgg gttgtttctt cttgtggtgg 120
 tggctacttt tgtggtggca gccacagctg gtagctttta ccaagacttt gaaataacat 180

<210> 27261
 <211> 180
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903367H1

<400> 27261

gtttttatca tggaactgat tggattgagg ttactggaat tccttgcttt cctggcgtgc 60
 ccaaatacacc ataggcacaa aaagacaata cttaattggc aataaaaagta atgagttgca 120
 aatcaagca atataaatta attaaaaagt aatgattgtc gctctgtatt cttaattat 180

<210> 27262
 <211> 177
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903368H1

<400> 27262

aacaataatg gccaccacct cggagaggga tatggagaac aagagtgatc aagaagaact 60

gaagcatctt gggtttgtga agattgcggc gattaaagcc tttgtgtgtg ttgcnaatct 120

ctacgacttc gcaaagcaaa actcgggacc tttgagatct gctgttgga ccggtgga 177

<210> 27263

<211> 177

<212> DNA

<213> Glycine max

<223> Clone ID: 700903374H1

<400> 27263

cagcttttcc ctctgtgaaa tgaaaatggg ttcttctttg tggactttgt gtctaatttt 60

ggcttcacta gcctcttctg cattctgtgc cttccacgg aggccagtgg atgttccatt 120

cggcagaaac tacgttccca cttgggcttt tgatcacatc aaatacttca atggagg 177

<210> 27264

<211> 177

<212> DNA

<213> Glycine max

<223> Clone ID: 700903375H1

<400> 27264

cttctacaag ttctcaaga aacatgcac aatcccattc aagctccaga aaccatgctc 60

aacttctgaa tccgattcca aggggagctc tgatgccaat tagagccaga gtagtgatgt 120

gaaggacgaa ttatgaggag ttaagtgata tatttttatt tatagaaact atgattc 177

<210> 27265

<211> 178

<212> DNA

<213> Glycine max

<223> Clone ID: 700903379H1

<400> 27265

gcgggaaaca agataagtga tgttgagggg ctacacaggt tattaaagct aacagttctg 60
 gacttgagct ttaacaagat ttcaacaaca aaagcattgg gccagctggg ggctaactac 120
 aactcacttc aggcctgaa tctgcttgga aatccatgtc aaagcaacat cagtgatg 178

<210> 27266
 <211> 180
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903383H1
 <400> 27266

tgcgttgat gagaattcaa aaatcgtgaa ggtggagttc tttatgatc ctgccgaatt 60
 gcttgagggt ctctgaaag gtcccaagtt tgatggcagt gctgaagatg ctggtgcaag 120
 ctgtctgta ctcaggaaca ccggctagag cagcacaagt tcaaaaagtt taaccttga 180

<210> 27267
 <211> 178
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903384H1
 <400> 27267

gagggttgaa aggggttggt gaggaggatg tggagattgt actagacaaa agaggaattc 60
 aaggcattct gaaatgtctt gtcgttggtta aatgacatag taataaccct gtaatattta 120
 tccttcaaat ccaagagacg ttgaacaaaa tccacaggat ctctcaacct ttcaggat 178

<210> 27268
 <211> 177
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903387H1
 <400> 27268

gtcgatgttt acattgccaa gggtgctggc atcacggtgc agtttgtgaa gaacatcatc 60
 atccatggga tcaaggtctt tgacatcgtg attcgtgagg gtgggacaat cagagattct 120
 gagacacatt atggtttcag gactaagagt gatgggtgatg gcatttccat ctttggt 177

<210> 27269
 <211> 178
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903388H1

<400> 27269

acgaaaagag agataaagtt aaagaaatta aataccacca atttcgcccc cgaaagcctc 60
 tctctcgttc gttgcttcaa acttcaaact tcaaactcct ccgcggcttc ccttctcgtt 120
 cttcttcaca gaaatggagt tttcagtggc caaagcgttg aaaccgagtt taaggagt 178

<210> 27270
 <211> 172
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903391H1

<400> 27270

agattctggt gttcagcaat ctgatgaaca gaagatggag caggaggtgg aaggggattt 60
 gctggatgct ggtgaccagc agccacctga tgatcaggat gagcatcatg gtggggattc 120
 atcagattct ggttctcttt tgccccgaat gaatcgggac agtcaatcg ct 172

<210> 27271
 <211> 177
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903392H1

<400> 27271

tttccattta caatggtttg ttctatcct tttagctgcc ccattaaatt gggggctatc 60
 aagacttggt cttttttctc ctacatttaa tttttacaac aggaaatgct cctgaaaatt 120
 ttggcttcat tgatgcacaa gcattggtag ctgttggtg tgtagaaaaa taaatcc 177

<210> 27272
 <211> 176
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903394H1

<400> 27272

gcaaaactga aagcaaaggc taactcggag tgcaacacaa ccaaaatctc atcggttccaa 60
tcattatcgg cacttggttg gagatgagta actcgtgcgc ggcgcttgcc gtatgatcaa 120
agaacaagtt gcaagttgtc cgcaacaac agaacaagaa tggaaccacc actgcc 176

<210> 27273

<211> 176

<212> DNA

<213> Glycine max

<223> Clone ID: 700903395H1

<400> 27273

agatcccatt gccataaatt actttgtcca caatcttgat ttcacgctca gcctcgcgtc 60
acctaacaat tttgaagcat ttgggggtgc aattgaattc ttctgagcaa accttgttct 120
tatcgtcgcc acaatagaca tgggtttatca ttctagtttt gtgaatgaag atggag 176

<210> 27274

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700903401H1

<400> 27274

catgaaggga tgatgtgacg tggtgcccgt ctaccacgtg gagggttttg attggatggg 60
agagtggatt ccaaaagaag ggcgacctcc tgctttgggt tcagtggatt cctcgaggcg 120
gagaatgtca gggcccatTT taaatacttt atcaagtgcc aatgtcttgg gtcagtcaag 180
tggtatcatct aggcgggctg ctgtttctag tagccgtgat gcatttgttg gtgctgagtc 240
agatattcgg actcgactg ctgaggcta 269

<210> 27275

<211> 83

<212> DNA

<213> Glycine max

<223> Clone ID: 700903402H1

<400> 27275

agagaaagag actcaacctc gttcgtgtcg ttctccatg aaataatggc ttccgtttct 60
actttctggt tcgttctctt ctt 83

<210> 27276

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700903403H1

<400> 27276

ctcatttgta caaatcagac aacttacgag aacttccgaa atcaatatga taagaagggg 60
aaccattca ataggggatc atgcagaaat ctgaaagaaa cactttgttc cagtattccc 120
cattcgaaga ataatttccg atcatttggt gtggaggatg aacagatgat ggttgggtct 180
ctgactccaa atactgggga tggaattttg accccaaagg agaaaattga tcttgaaatg 240
ggatctatgc gtgcagaaga tggtc 265

<210> 27277

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700903404H1

<400> 27277

ctctcacaca ctcaaccaac gacgaaggca gaagaagaat taaaaagtac caccaaacag 60
gctgcgacga cgtcgttctt tgcaacttcc agttcttggt cttgatgaat atgacaccag 120
tttgcccctt tgtcaaagct gctcgccccg atgataacaa tgcttctaag aaatctggcg 180
aaaactctat gaaacatcag gctgagtctg agagtaaggt gaagaaagag gttaatgact 240
cagctagtac ctcaccaaag tgc 263

<210> 27278

<211> 78

<212> DNA

<213> Glycine max

<223> Clone ID: 700903405H1

<400> 27278

agatgggggc tccaatggcc tctcttactc tcaactattgc attaaccata atctctctca 60
ccttgccatc tcaaacat 78

<210> 27279

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700903411H1

<400> 27279

tcccacttgg tgttggtcag cttggctctc taaataaagt gattgaagat atggagtttg 60
taactcatat cagaaatctt tttttgtcta ctcaaaatta ctcaatccta cgtcctagtc 120
aaatacaggg tagtttgaag agctcatctg agctggatac attgaaggaa aatttgtctt 180
cagatattat gcttacttgc ttttacgata cacagaaatc tatgaaaagt gaaacagcag 240
atgttttaat gccccttca 259

<210> 27280

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700903412H1

<400> 27280

caccaattgg ccagaataca ggttgccatc atacttaaga cctaattacc ccgcaattcc 60
tgcaagttat taccgttaca ctccacctgc gaaaacaacc acaatcacat cttccaagcc 120
ttgatggcca catgcatgca atttgggtata tacatattat tgttatgatt gttagcattt 180
caaataaatc ggttcatcaa tatggccatg cacaagcatt cgatctctct ccaagtttaa 240
ttattacttt gtggttta 258

<210> 27281

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700903414H1

<400> 27281

ctgctagcac ctgttatcat gaagggcaat agcaagactt ctttgagcca ccaggagaac 60
 cgaatactag gagagaccaa ggatcaaatt gaacagatac ttacacttgt ttttgagaat 120
 tataaatcac ttgatgagtc ttctttctcg ggcacatag aggttttcag accagcaacg 180
 ggtcaagcag caccagcctt ggaacctgct gttaaactct acaagcttct tcatgatatc 240
 ttatctcctg aggtctcaat 260

<210> 27282

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700903415H1

<400> 27282

ggagaaagca acaagagtga aaatacttga agtttgctt gtgtcaccac cacaggaaaa 60
 aacgacaaca caaacatctt tgtctctcac attctttgag ttactatggc tgaggcttcc 120
 cccagttgag cgtcttttct tctatgaatt ccccaaccaa accatttcat tcttcgacac 180
 cattcttcca actctcaaac actctctttc cctcacactc caacactttc taccttttgc 240
 tggcaccatc atttggtccc ttgact 266

<210> 27283

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700903418H1

<400> 27283

agaggacttg acaacacttc attcagatat ctacatattg taatagtgtt cacagtataa 60
 tctgtgacat taatttaaag cttgtgttag tataaatgaa tgggtggtca ttgttcatgg 120
 ttctgcatat tcagagtcgg tggctcgaaa cagttttttt tgtgaatatt caacagagat 180
 acataaggaa attacagaag ttattatctt ggaaatgaag catacagaaa atgaatacag 240
 cattctacag gcattaatct t 261

<210> 27284

<211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903419H1

<400> 27284

ctttttcttt tgtcttttat tattatgctg ctgttggtcg ttcattgtgaa catgggtggat 60
 gctgatagaa gcagataata tagggtttat atacagattt tttattagta cgtccacac 120
 actgcccatg tttcagggat aatcattctt tggtgccaat tttttttttt tcataaaatc 180
 ctctctgatt ctctctctct cttaattagt ttctcttagg aatctcagat cttcatagcc 240
 attgttcctt ctagcttcat 260

<210> 27285
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903420H1

<400> 27285

gtgcaataac tcgtgtgaca gtccatgtgt gtgggagaga catggctaag atgtgtgttt 60
 tgggtgttggg tcttgctctg gctgtggcca caagtgccag aaacgttccc aacccaagg 120
 atgctggtct taaggaccag aagaacttca tcagctatgg tggagttggg gggtattccg 180
 ggattgggaa caatggactg ccttttgagg gagctggtgc cggaataggg ggtgggtttg 240
 gcggaggtgg tggactt 257

<210> 27286
 <211> 182
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903360H1

<400> 27286

gcggaatcag ctagaatttt ctaataatgg ccaagacgt tgagcagggt acagagcaag 60
 gtgaatactc cgcaaggat taccatgacc cacctccggc gccgttgatc gaccagatg 120
 agctcactaa gtggtccttg tacagagccg ccatagctga gttcatagca acactccttt 180

tc

182

<210> 27287
 <211> 122
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903422H1

<400> 27287

caatctggct ccgtaacca tggcatcctt cgctgcccc aacaacattg gcagcggcgt 60

gctaccctct cgccagagaa aaccctctcg acccctccc ctcaaagtct cccttctccc 120

tt 122

<210> 27288
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903426H1

<400> 27288

atcgaaactc agaagtagaa agaaacacaa atcacaatcg ctatggctag gtacgaccga 60

gcaatcaccg tggttctccc tgacggccat ctcttcagg tcgagtacgc cctcgaagcc 120

gtccgcaagg gcaacgccgc cgtcggcgtc cgcggcaccg acaatgttgt cctcggcgtc 180

gagaagaaat ccaccgcaa actccaagac tccaggtcgg tgaggaagat agtgaatctg 240

gacgaccaca ttgcgct 257

<210> 27289
 <211> 203
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903286H1

<400> 27289

cttcattcc atcgattgt atgggtccc tttcatcac aacacaacac attccctcca 60

cacaacatat gatatacn cn cacnncanc accancacca acaccaaccg cttcccctct 120

cccgggttcg gatctacgac caccgccgca cgcgggccga gcttccacac tcagaatcca 180

gatccctact tccacacaac ata

203

<210> 27290
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903287H1
 <400> 27290

agcagataga aaaaagagct gagttttgag ttcaaaagat gactaacttc ccagtgatca 60
 acttgagaaa gctcaatggt gaggagagaa acgacacccat ggagaaaata aaggatgctt 120
 gtgaaaactg gggattcttt gagctggtga atcatggcat accccatgac ttattggaca 180
 ctgtggagag gttgaccaa gagcactaca ggaaatgcat ggaagagagg ttcaaggaat 240
 ttatggca 248

<210> 27291
 <211> 220
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700903288H1
 <400> 27291

catgcgctta tnaagatgga ggggaaggag caggatgtgt cgttgggagc gaacaagttc 60
 cccgagatac agccgattgg gacggcggcg cagatccaag acgacggcaa ggactaccag 120
 gagccggcgc cggcgccgct gggtgacctg acggagttaa cgtcatgggc gttttacata 180
 gcagggatag cagagtttgt ggccactttt ctgtttctct 220

<210> 27292
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903290H1
 <400> 27292

gttattttta gagctagtat aagcttgtaa cctattatga ctttgatgaa gagcaacgca 60

taaccaatgg ccaactgaatt tttttcctta ttttccagtg ctgcctttac tcttaggcct 120
 tggccaaaag aatgagagag atcatcatca attgacatgg aatcatgtgt gcctccagga 180
 tttagatttc atccccacaga agatgcgatt atcgggtatt acctcaagag gaagataaac 240
 tcgcta 246

<210> 27293
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903291H1

<400> 27293

cgaagaagag gaagaatcag agctcagcga taagcagaaa gtggagatcg cgaaatgggt 60
 cctcctcaac tctcctcccg gagaaatcca atacgttgcc aaagatgtga aatcgattct 120
 caacaacgac gatttgtaca aggaagccgc ttccgaggct tttccctatt acaacaaatc 180
 gcacttgatt tccattccaa tgcccaaccg aagcggagac gtactgggta cttcggttcgg 240
 tgagcttg 248

<210> 27294
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903293H1

<400> 27294

caatcttctc tatcgagaat ggcgtgtggt tctatgtgat ctagatgcca ctgccattgg 60
 agttctttct ataatectct gcgtgttggt tgtgtataat cccgtgatat ttgcattagg 120
 tagaaaagag gctcccaaatt ttgcaggttc atggcccata cttggtcacc tacgactatt 180
 gagtggtgta gagacacctg ataggggtgtg tggtgctttg gcttataagt atggagccat 240
 attc 244

<210> 27295
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903294H1

<400> 27295

cttgetttca cttcaccacc accttctect atctccttct tctctctect ttctgcttct 60
 tcattctctc cttccctctt gagcttttct ttttagcacg gaacatgtga gtgccacaaa 120
 gggtttgaga ctttttgagg ctttctctca ctctaataag tcttaacctc attcaectct 180
 tgggtggtgt ggtctataat gtaatttata atttggtcaa attttttctc agatctatcc 240
 aacttct 247

<210> 27296

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700903295H1

<400> 27296

cgcaacaaaa agaaagaatc ccaggcgagg agaaagatgg aggggaagga gcaggatgtg 60
 tcgttgggag cgaacaagtt ccccgagaga cagccgattg ggacggcggc gcagagccaa 120
 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180
 acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240
 tacatc 246

<210> 27297

<211> 139

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903296H1

<400> 27297

ctgaatttct gaattctctg ctgctgaaaa atgaaactgt atccaaggga gatcgtgaaa 60
 ctagacctgc ataatgcagg ctaccttcca cacaacatac gagtttacga gatngggatc 120
 aactaggacg aaactgagg 139

<210> 27298

<211> 185

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700903310H1

 <400> 27298

 ttcacaccat ttcacaaaa caactttcaa actctgagaa agaatggctg ccaacacatt 60
 gatgagtact gctatctcag ccttcccatc tctcctttct tcctcaaaat ccagatttgc 120
 caccgcagtt cctctttcta gctttgggtg caccaatgcc tcttcttctc gcttttctat 180
 gagtg 185

<210> 27299
 <211> 186
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700903311H1

 <400> 27299

 ctagttataa aataattaat ttaataaagg atataattaa tttaataaag gatccctctt 60
 ttttgacacg aaatggatat atccatacca tatatcttgg atttattttt atgaaataat 120
 taaatatggc aaaacctata tctaaaaagg gtctgcgtaa aaatgtacgt attgggtcgc 180
 gtaaca 186

<210> 27300
 <211> 186
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700903313H1

 <400> 27300

 ctgattctga gacagaagaa ggaagaacca ataacagagg aatccaagtt cctttctagg 60
 gaccgcgatt cctcattcat tcattcatat gcttcttcaa ctttctcctc tcttctccct 120
 ctaactctgg cgcattatat ctagctagca ctcttggtcc aaggaaatag agcgaatgtt 180
 ccactg 186

<210> 27301
 <211> 185

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700903314H1
 <400> 27301

agaaaaacaa acacttatct ctgtttctcc gtcttacggc aattgatgga agcactatct 60
 ctgcaacttc cgtcacattc acatggcagc aacatcaggg aagattgtcc aatttttttt 120
 tgtgtcaaac tgccaccaac agaatacaca gggtcgaagg gactattgtt ttgccccttc 180
 tcggc 185

<210> 27302
 <211> 188
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903315H1
 <400> 27302

cctccttact actatcaaag tcctcctcca ccatctccca ctctcatcc tccctactac 60
 tacaaatccc ctccaccacc aacgtcgcat cctccacctt accactatgt gagccctcca 120
 ccaccttctc catctcctcc tccaccatac cattacacat caccatctcc tccttcccca 180
 gctcccgc 188

<210> 27303
 <211> 193
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903318H1
 <400> 27303

gctcgaagtc atcatcatca tccaccttcg ttagatatcc cctcaacat ttgtggtggt 60
 actctccatc ccaattatcg ccaactcctc tttcttcaaa tttcaatctc agaggatggg 120
 tgggtgaggaa ttgtgtttga tggagaactc agggaaaggg aagaggctgt ggaagaaggt 180
 gaagtaccaa ctg 193

<210> 27304
 <211> 187

<212> DNA
<213> Glycine max

<223> Clone ID: 700903319H1

<400> 27304

aagctatcct agttccaagc tgtttattac cttgcatctt ccgcaatcac cttctctctt 60
cactcttata tctttctctc taaaaatgtg actttgttgt acgtgtgata gtgagcctaa 120
tacagtacgg atacttgatc aaaggaacaa atattgaagt gtccaatgcg taccaacaat 180
acccttt 187

<210> 27305
<211> 186
<212> DNA
<213> Glycine max

<223> Clone ID: 700903320H1

<400> 27305

ataaaatcgt gtcttctcct ctgtactgag acatggccga agaagaagaa gaagaagaat 60
cagagctcag cgataagcag aaagtggaaa tcgcgaaatg gttcctccac aattctctc 120
caagagaaat ccaatacgtt gccaaagatg tgaaatccat tctcaacaac gacgatttgt 180
acaagg 186

<210> 27306
<211> 129
<212> DNA
<213> Glycine max

<223> Clone ID: 700903322H1

<400> 27306

gaagagaggt ataggaggaa gagaaagtgg aaggactact tcaggaggct cactaggaag 60
gtcttgttga agcaagagga gatgcaaaag aagttcttgg aagccatgga ccaaagggag 120
aggaaaagg 129

<210> 27307
<211> 186
<212> DNA
<213> Glycine max

<223> Clone ID: 700903323H1

<400> 27307

tagagagtga gtgcccccaag tttattgctt gggccaagag gtgccttcag aaagaaagcg 60
 ttgccaagtc tcttctgat cagcaaaagg tttatgagtt cattatggat ctaagaaaga 120
 agttaggcat tgagtaggtt ggagcttaat ggccattgtg aagtagtggt tttccattgg 180
 tcgttc 186

<210> 27308

<211> 186

<212> DNA

<213> Glycine max

<223> Clone ID: 700903326H1

<400> 27308

ctctccttct agaaacttcg cttctttcac tccctgcact tcttccttct tcgccacagc 60
 tcgttccttc ctctgctcgg ttccgcgggtg gagccaccgc ctccattccg cctctccgct 120
 cactccccgt cctcggatca gcgccgtcgc caccatggcc aattagagaa cacacacaaa 180
 actcag 186

<210> 27309

<211> 184

<212> DNA

<213> Glycine max

<223> Clone ID: 700903328H1

<400> 27309

aaagaactta tctcaggagc aaccaaata gtttatgccc ctgaaccttt tgatgttgga 60
 cgcatattac aagttgatat tatttcagaa aacgagcaca tcacactttc aattgctggt 120
 ccaatagatc cagctgctgg tttgggaacg taagtagagg cactaatgcg caaacatgac 180
 actg 184

<210> 27310

<211> 186

<212> DNA

<213> Glycine max

<223> Clone ID: 700903329H1

<400> 27310

ctccatcttt ctcacacttt tctccacat cacaatctca tcattatctt gcattaatac 60
aatggaccaa acaaccgccg ctgccaaacga ggttgctccg gagttccccg gcctcctccg 120
cgtctacaaa gacggccgcg tcgagcgcct cctcggcacc gaaaccaccc ctcccggcac 180
cgaccc 186

<210> 27311

<211> 184

<212> DNA

<213> Glycine max

<223> Clone ID: 700903335H1

<400> 27311

tcccacccta ttattccatg ccttcttctc acgcaaaaaa ggccttataa atcccacact 60
acaccctgtc taaagccctc ctctacactg ttccctttca ccattccatt ttctaacttt 120
tctgactctg ctcatggctt ttcttttctt agcatcacct attctcttgg tatcatagtt 180
atct 184

<210> 27312

<211> 181

<212> DNA

<213> Glycine max

<223> Clone ID: 700903338H1

<400> 27312

acttcctcag ctgcaacagt cgtagcaaca ggtccagcag cagcagcttg cgcagtgcaa 60
cagcagcagc ttccgcaaat ccagcaacag cagcagctac ctcaacttca acaactccca 120
caactacagc aacagcagca gcttccgcag ttacagcaac tgcagccgca gcagcaacag 180
a 181

<210> 27313

<211> 182

<212> DNA

<213> Glycine max

<223> Clone ID: 700903339H1

<400> 27313

ctcactgaaa aaaaatagct tgttctcacc atcctatddd ttcaactcat atatacaaat 60
 atatataact tggcttctac cttctctcga agcctagcac ttgtaagctt ttacattgtc 120
 gtttgtgctg ccggttaactt gaaccaagac tttcagctta cgtggggaga tggtcgtgct 180
 aa 182

<210> 27314

<211> 182

<212> DNA

<213> Glycine max

<223> Clone ID: 700903340H1

<400> 27314

gcttctcact gatctccatt cccattccat ggcttcact gaatcatccc ctttcaagaa 60
 aattcagatt caaagggatg acactacatt tgacgcata gtggttgga aagaggatgc 120
 tcctggaatt gttgtgattc aggagtggcg ggggtgtgat tacgaaatta agaaccatgc 180
 cg 182

<210> 27315

<211> 87

<212> DNA

<213> Glycine max

<223> Clone ID: 700903344H1

<400> 27315

ggcatgcaag aagagagagg aatcgtacta cacaagtgtc atacttcccc tcattttggt 60
 actgcatttg ggactcttca ctctgct 87

<210> 27316

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700903285H1

<400> 27316

aagtcttctt gatccttctt tttctccttg aactcaaaca tggcagatga ggtggttctg 60
 ctagatttct ggccaagtcc atttgggatg agggtcagga ttgcacttgc tgaaaagggg 120
 atcaaatatg agtacaaaga agaggacttg aggaacaaga gtcctcttct cctccaaatg 180
 aaccgggttc acaagaagat tccggttctc atccacaatg gcaaaccat ttgtgaatcc 240
 ctcattgc 248

<210> 27317
 <211> 124
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903347H1

<400> 27317

ggggaagata gaaagaaaca aaaacacctt attgacacca ccttttctat catccttcaa 60
 gtcacatctt ttgatgatgc ccacccctcct ggtcattctc ttggcggttg cttctccttc 120
 atta 124

<210> 27318
 <211> 182
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903350H1

<400> 27318

gaaaagcctt ccactattcc atatatatca gcccataaag aatgaagaat actgcgttgt 60
 tcactatctt tctactcctt gctttcacct catacctacc ttcagccacc gctgctagt 120
 tgtacgatac ggatggtaat attcttcaat agggtcgcac atattttgtg ttggcagcta 180
 ca 182

<210> 27319
 <211> 101
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903352H1

<400> 27319

cttcttgttt ggtgccttct gttctggagc tagcaaaaca acccatcatc gaagttccag 60
aacgatatgt tcatgccaat caagatccac atattctttc c 101

<210> 27320
<211> 181
<212> DNA
<213> Glycine max

<223> Clone ID: 700903353H1

<400> 27320

gcggaatcag ctagaatttt ctaataatgg ccaaagacgt tgagcagggt acagagcaag 60
gtgaatactc cgcaaggat taccatgacc cacctccggc gccgttgatc gaccagatg 120
agctcactaa gtggtccttg tacagagccg ccatagctga gttcatagca acactccttt 180
t 181

<210> 27321
<211> 174
<212> DNA
<213> Glycine max

<223> Clone ID: 700903359H1

<400> 27321

ttctctctgc ccagaatccg agatcaaccc tgacccctaa ggccaggggt ttttctcggc 60
ttcttcagat tctgaaatg gcgtctgttt cagcttttagc ccagtacaag ctgctcttct 120
tggggtgacca atccgtgggc aaaaccagca tcatcactcg cttcatgtac gata 174

<210> 27322
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700903196H1

<400> 27322

ttcttctttt tcaatctttt ttcttttaac atttgttctt gattaatgaa aacatccttg 60
gcaaatgctt tcgcagttgt tcgtctttca taaatccaag aatttcacct ctgactatga 120
aatacgaatg cccccgactg ttctgttaa tcattactcc gatcccgata tccaacacaa 180

taggatcaga atcgtgtggt gatatcccat gctaattgtat acagagcgta ggcttgcttt 240
gagcactcta atttcttcaa agt 263

<210> 27323
<211> 187
<212> DNA
<213> Glycine max

<223> Clone ID: 700903201H1

<400> 27323

ctgagctagg agctcagcct ataaatttca gaactctcca gaactcaatg ttctttgcac 60
agtgaatcc aagaacagat agatttgaac catttcataa tctgaagcct tgtatttttt 120
tgacgagtgg agttcaaatt agaaggcgta ggggggcgcg ggaaaggacc gaaggggccc 180
accagat 187

<210> 27324
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700903203H1

<400> 27324

atttgcaaat tgcaatcttt gcttggccct tgagaacgcg ctaactgcta agttacgcga 60
gggatgcgca gtgcgcaccc tctatcgtct cttctttttt cttcttcttc ttcttttcca 120
gagtttagcc agttgaattg aactagtaac tttcttttaa aattaaaatt agaatcatta 180
tcgtttatca cactccaaca acgcctttcg ctcttaccac cctcgcgggt cattttcttg 240
ggaaaactcg tttccaccaa gaaa 264

<210> 27325
<211> 68
<212> DNA
<213> Glycine max

<223> Clone ID: 700903205H1

<400> 27325

aagaactgaa ggtaccgtac gagaacgaca ggaatcaagg atgccaaatc gcggcagtcg 60

cacacagc

68

<210> 27326
<211> 248
<212> DNA
<213> Glycine max
<223> Clone ID: 700903207H1
<400> 27326

gccagaagaa caacatggac attgatcttg cgcctcagtt gcccaagaaa ctttacggtg 60
ccaattgtgg ctccgactac gcatgggtgc cctccgacct gcccatgctc caccaaggca 120
acattgatgc cgcgaagctt gctctcaaca aaaacgcact tgctcttcct cgttactctg 180
actcttccaa agtcgcttat gggcttcaag gtagtggatt ggctggâata gtgttgccgg 240
aagcagaa 248

<210> 27327
<211> 258
<212> DNA
<213> Glycine max
<223> Clone ID: 700903208H1
<400> 27327

gctataagga aatggaaagt gcatattcct agtgacacta aagaacttta tgagcttgat 60
ttggaagagt atgccaagag agggagagtc agaattgatt ccactccaac cttgaggatc 120
ctcaacaagg catgtgtcaa caccgattca agtactagtg gatggaagct aagccctggt 180
acccatgtgg aggagaccaa acaaatgcta agaatgatcc caatcttggc tgctacattg 240
atccctagtg caatgggt 258

<210> 27328
<211> 262
<212> DNA
<213> Glycine max
<223> Clone ID: 700903210H1
<400> 27328

ctcgtctcttc ccttctcttg gtggcgacaa tgtcgactcc tgctaggaag aggctgatga 60

gagacttcaa gaggctgcaa caagacccgc ctgcagggat cagtgggtgcc ccccaggata 120
 acaacataat gctgtggaat gctgtcatat ttggtcctga tgatactcca tgggatggag 180
 gcacgttcaa gttgacactc caatttactg aggactatcc aaataaacca cgcactgtac 240
 gatttgtgtc tcgcatgttt ca 262

<210> 27329
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903212H1

<400> 27329

cacaaacaaa tacattgtag aatcactttt gtctcggaat ttgttctttt gagttatgcc 60
 aagcttaaag gttgcatgtg tggttttgat gtgcatggct gtgatgagtg caccaatgat 120
 ggtgcaagcc gtgcatgca atgatgtttc tctgaacctc gcaccgtgcc tatcttacct 180
 gatgcagggt ggagatgttc cagaatcgtg ctgtagcgga gtgaggaaca ttctgggttc 240
 tgccagcacc acctttgaca a 261

<210> 27330
 <211> 217
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903214H1

<400> 27330

ctgcttcaac ctggcggaag aagaagacgc cgtagccatg atgaagtact ccatacagct 60
 cgacaatcgc atcaagtcct gcaagcgtaa ggcgctgacc ttatagtgc tttcaagaac 120
 actagggaga ctgcctttgc catcaggaat tgcccctggt taaagctaaa gagacctgga 180
 gattttggcc acaaacagtc atccttccga cgcttct 217

<210> 27331
 <211> 265
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

002220-ETFE560

<223> unsure at all n locations
<223> Clone ID: 700903233H1

<400> 27334

gctataagct agtttatcgt gaggagaata tgaagttggt tgttttcttt gttgctgcag 60
tagttttggt agcatggcca tgccatggcg caggctacca aaggttcctt ctccgaatga 120
aaactggcta tggtagcggt tcttcggagg taaaatgcgc aagttttagg cttgctgtgg 180
aagcacacaa catacgagag aananaacca ttcctnaaca gtgcgttgaa ccaacaaagg 240
actacattaa tggcgaacaa 260

<210> 27335
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700903241H1

<400> 27335

caacactttc cacttgcttc cgaatgagtt atcttgagaa acattattcc cattgctata 60
tattatggct agcatgaagg ttacatgggt ggttgatgac atgtgcatgg ccgtgggtggg 120
tgcaccgatg atggcgcaag ccatgacatg caatgatgtg acggtgaaca tggcacagtg 180
cctatcctac ctgatgcagg gaggaacacc ttcaacactt tgctgcagcg gagtcaagaa 240
cattcttggc tctgc 255

<210> 27336
<211> 75
<212> DNA
<213> Glycine max

<223> Clone ID: 700903245H1

<400> 27336

ctcatcctct ctgcacaaa gcaactcaca gtaatactac tctcaagtgc gctctctatc 60
tccacacaac atacg 75

<210> 27337
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700903258H1

<400> 27337

aattcaggta ctgcgttttcg gaagcagaca cagatggctc gtacgaagca aaccgctcgt 60
 aagtcacag gatgaaaggc tcctaggaag cagcttgcaa ccaaggctgc acgtaagtct 120
 gcaccaacta ctggtggtgt gaagaagccc caccgttaac gtcttggtac cgttgctctt 180
 cgtgagatta ggaaatacca gaagagtacc gagcttttga tccggaagct ccccttccag 240
 aggctggttc gtg 253

<210> 27338

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700903262H1

<400> 27338

cgacaataat acattgatcc tattccatgg ccacttgcca aaacaaaaca ttaaaaaaaaa 60
 gggttaagttt caatgcagtg catggcacca tttggtgaag ctgaggactg gccacgcatt 120
 tgttgtggct gaaaagaaag ataataatgg tgggtggggg ttttgggttg taagtgacca 180
 actttggggg ccacgtaaaa attgcatgac agggattgga tgcggttct gttggtgttg 240
 ttgggtaggg 250

<210> 27339

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700903265H1

<400> 27339

cagttggatg cttcagtcct tgaggagtga agacagcgtg atgccatggc tgaggctcgt 60
 ttttaagcgtc atgtggctat gctgaagaga gatagggcta aaagattgct atataaagta 120
 gatgtagcca ttcacaaggc catggctgct ctaatgactg cagaagcaat gaaagcttct 180
 gaggactccc ttgttgaaat gaaagcttat gaggactaat ctggctattc aaatgacttg 240
 gcttacttgg tcaagag 257

<210> 27340
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903266H1

<400> 27340

aggattctat ggtgccgatg cgctaattgca atttctgtgg tagatgcaga ctggttaatc 60
 agcaaagatc accagtgttt tatttgtaa taaatgtgat gctaggagac taacattgag 120
 gatttgatgg ttaaatttca catatattca ataaccagta gatgttttca ttttacaatc 180
 aaaatcattg taacgagttt cactgaattt tccactttgc ccggaatttt tctagtcaat 240
 tatcattgat gcat 254

<210> 27341
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903267H1

<400> 27341

agcgagcgag ccctcactgt cggccgcgac gaggcctcg ccgtggtgaa cctcgccggg 60
 aggcgccgga actgctgcct gcgcctaggc aaggaggcga gtctggtcaa gtttgatgcc 120
 tctggggatc agttcttcat ggcggtgaag gagaaggctc ccgtccacca gaccgaggat 180
 gcgaggattc tgttcgaatt ggaatgcca aagcctgttc tctgtgctac acctgctaag 240
 aatggacttc t 251

<210> 27342
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903268H1

<400> 27342

gaagaaggca gacaagaaga ccgtggagac gtacaagatc tacatattca aggtgctgaa 60
 gcaagtgcac cctgacatcg ggatctccag caaaaccatg gggatcatga acagcttcat 120

caacgacatc ttcgagaagc tcgctcagga atcttccagg ctgcgcgcgt acaacaagaa 180
gcctaccatc acctctcgcg agatccagac cgccgttcgt cttgttctcc cgggcgagct 240
cgccaagcac gctg 254

<210> 27343
<211> 264
<212> DNA
<213> Glycine max
<223> Clone ID: 700903269H1
<400> 27343

aattcggctc tatggatggt tagtccgga ggcaccaga tgtgagtgtt tgacaatacc 60
tagcacatag tagcaagtct gtgccttccc cgtgacctt gaactcagtt ttccgttctg 120
acagtgttga ggtatagatc atgctgtatt gattcacagg ccaatgcgtg taacatacaa 180
cgtgtactag ttttgctttc cataaattag gagcatgcaa ggaaatcaag tcaactgcat 240
gaattaaaat atcttgagtt tcat 264

<210> 27344
<211> 250
<212> DNA
<213> Glycine max
<223> Clone ID: 700903277H1
<400> 27344

atagtgttaa aagacctata tttggtaaac caatcaaatt ggacattaat aaaggaattg 60
agagggcata acatattgga ggaggcaaatt ctgtagccac agtcctagcc attggcacag 120
caaatccacc caatttcatc ctacaggagg attatcctga cttctacttt cgggtcacca 180
atagcgacca tttgcaccgc ttgaagcaaa agttcaagcg catttgcgag aattcaaaga 240
tagaaaagcg 250

<210> 27345
<211> 238
<212> DNA
<213> Glycine max
<223> Clone ID: 700903280H1

<400> 27345

caacgggtag atgatatctt gcagtttatt gcagatttga ctgtagatgg tgaagggtgtt 60
 ggtcatgttt gcagtttttag tgtcttcaat tttcaagagc atggaaacag taattatggc 120
 tctccattta atgcacctca cagccataga tctcccagg ggaagttgga gaatccattt 180
 gtgagctttc agagtagtta cctgcatgg gaaccaaag ctcaaggag gcagtttc 238

<210> 27346

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700903282H1

<400> 27346

gttttagcgc agttcttcta gatttaagga agatgggtaa ggaaaagggtt cacatcagta 60
 ttgtgggttat tggccatggt gactctggga agtccactac cactggccac atgatctaca 120
 agcttggagg cattgacaag cgtgttattg agagatttga gaaggaagct gctgagatga 180
 acaagaggtc tttcaagtat gcctgggtgc ttgataagct taaggctgag cgtgaaagag 240
 gaatcacia 249

<210> 27347

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700903283H1

<400> 27347

catctttgtc agctttttct tgcttccgta gttcatatgg cgtgtgttca agtcatcaca 60
 gtttttctct ttgcattggc tctagctaaa atttaccct caacatgtca agtgggtgcag 120
 ggaaaagtct cctgcgttga ctgcactcac aactatgact tatctgatat taagggttctg 180
 gtgaggtgtg atggtgtgaa aaaactggct ttggctacta cagaaaatga tggctccttc 240
 aaggttgatc 250

<210> 27348

<211> 257

<212> DNA
<213> Glycine max

<223> Clone ID: 700903195H1

<400> 27348

atgggacctg ccttcagatg agaatgtcat acagtccagc agcacacctg tttctctttt 60
ttgtgcaatg gacagactgc aatcttgctg gagcccttgg actgttaaga atcctaatat 120
acaaagtgtg tgtggatggg acaactacca tgtctaccct tgaaagaaaa gcaagtatta 180
gggaattcta tgcaatcata tatctctctt tagtgcaact gcaagaaagt gtggcagata 240
cagaggataa aaaacag 257

<210> 27349
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700903127H1

<400> 27349

aaagagaccc cactttgtat gttcagatac attgcacttg ggaacgttcc cattcagtgc 60
actcgtatct gtttgcaata aaacgacctc tctttcacta cccaagacc ttcattttctc 120
tttccaccac tttctctctg tctctctgtt ttttttttgc cctatctcat aggggtttcct 180
ccttctctcc ctctcttcca tgcatttttg ctctgacgag ttctttctct tctgtgcct 240
cttcttcgct gtctttgaag 260

<210> 27350
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700903128H1

<400> 27350

aaataaatag agagttgggtt aaaagtagga aatgaaagtg agggagagag aatggaggaa 60
gaggcagga tctaccgtct agcggaggac agcctccggc agatattctg caggctgcca 120
ctgagggaaa taatgatatg ccgctcagtg tcaaaattct tctgcagct gctctcaaca 180
ccttcgttcc tccaggtcct ctccagctcc catccacccc tccagctcct ggccctccgc 240

aaccgccacc acaccccttc tcaca

265

<210> 27351

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700903131H1

<400> 27351

aaccctttca aagaaggaac tcgatacatc gtctgtgggg tatcagcctc cactaccagc 60

tgaccaggtg aaggctgcta cagatthttga ttatgaagga gagggttcac ctaatggctg 120

tgttcgtggc cgtgggtggc gaggcagggg aaggggcaga ggtaatggct ttatttcagc 180

tgattatgag gatggaggtt gggatcgcac taggggacat gctaggggca ggggtagagg 240

aagaggacgt ggctttcgtg gtcgtgga 268

<210> 27352

<211> 182

<212> DNA

<213> Glycine max

<223> Clone ID: 700903134H1

<400> 27352

attgacggcg caccgaccta cattccactc tatctgagta agctcaaagg gtacacccga 60

cctacaggct gcaaggcagt agcagagtcc ataagaactg tccatcataa atttcactac 120

actgttcagg atggcctaga tgccatccag atgtgatcta tcacttgaac catatgctgt 180

ga 182

<210> 27353

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700903135H1

<400> 27353

gaaatgttga agctcaagtt cctgggtacct atcttcttgc attcaagaaa agagtttagct 60

gaatgttttg gtggggctga attctgtagg tttaaaatct cggtttattt tcaaggctgt 120

agattccaat ttttattatc tttgctggcg ccttaagata agttaaccct ttgaagatgt 180
 ttcgttggtt acttggttgg caaagttcag aattgtacat ttgtagggtt ggatgtggag 240
 gggactcctt actttttgtt ttattatta 269

<210> 27354
 <211> 216
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903142H1
 <400> 27354

tgcggagatt aatattttat ctaggtccat cgtcgataga agatacgact tcccaaaggc 60
 aatgtttcag tgggactaga gctatgggca ttctaacttc gctcgggctg tggcagaagg 120
 cggccaagat cttattcttg ggctcaata acgctggcac aactacactg cttcacatga 180
 ccaaagatga gagattagtc cagcatcagc ctaccc 216

<210> 27355
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903149H1
 <400> 27355

tgtcaaactc gtatgagtac gcaaagcaga attctgggcc tttgagatcc gtcgtaggaa 60
 cggttgagaa cactgtaacc accattctcg gtcctgtctg caacaaattc aaggacgtcc 120
 catatgatgt ccttggtttt gttgacaaaa aggtggatga agcttcccac aagttcgatg 180
 agcatgctcc tccttttgct aaacacattg cggatcaagc caagggtgtg attcagaaaag 240
 tgacttgtga ggcagggaaa gtagca 266

<210> 27356
 <211> 62
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903150H1
 <400> 27356

ggagatcgtg tgtagatcaa cagctttggt ttgatggta aggaacctat tgattctgct 60
ga 62

<210> 27357
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700903157H1

<400> 27357

gtacttttaa aattataagt aaatgtatca caggtaaagg tttttcaggg acaaaacggt 60
actttggtga tttagggaaa actttgagat cagctggctc caatatagct tttgcagttg 120
tagctgaaat atcggattct gttctgaaag gtgcagaggc gaatggtttc aatggattgg 180
tgagtggctt tcaccaagga attctaaaat tggctatgga gccatcagtt ctgggaactg 240
cattgatgga aggtggtcca 260

<210> 27358
<211> 58
<212> DNA
<213> Glycine max

<223> Clone ID: 700903158H1

<400> 27358

ttctctctca tcggtcgagg ttctctcgca cataatcgct ggacttcgc tatttcca 58

<210> 27359
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700903162H1

<400> 27359

cttactgata aattgggatt agggtcctaaa ttctacataa taggtttctt tttgggtggc 60
caggttggtt ggaggtgcct taagtatatc cctcacaggc tggcaggtgc agtgctcata 120
gccccagttc tcaattactg gtgggctggt ctctctgcaa acttaactaa tgaagttttc 180
taccaacaaa aactacaaga ccagtggaca gttcgtgtgg ctcaactacat accatggcta 240

acttactggt ggaacactca aa

262

<210> 27360
<211> 266
<212> DNA
<213> Glycine max
<223> Clone ID: 700903165H1
<400> 27360

aacacaaaca catacattgt agtatcactt ttgtctcgga atttgttctt ttgagttatg 60
gcaagcttaa aggttgcattg tgtgggtttg atgtgcatgg ctgtgatgag tgcaccaatg 120
atgggtgcaag ccgtgtcatg caatgatgtt tctgtgaacc tagcacctgtg cctatcttac 180
ctgatgcagg gtggagatgt tccagaatcg tgctgtaacg gagtgaggaa cattctgggt 240
tctgccagca ccacctttga caaaca 266

<210> 27361
<211> 262
<212> DNA
<213> Glycine max
<223> Clone ID: 700903169H1
<400> 27361

aaacaaaaac ccttgacaaa tatggcccta aacttggagt gtgtcgtgtg gtgtgagaca 60
gtgtaactcg gaagcgcaca gcaatggcaa gagcgactct ccttcacttg ctgcgggtcac 120
agagcctccg ccacgtgtcc aaaaacgctc cttcagcata tcgttgtttt gggctcctcta 180
cctgtcaacg acccattagc cccaatccat cattcaaaac ttctctccat cttgctatatt 240
tccaaagaag atgggcatca ca 262

<210> 27362
<211> 261
<212> DNA
<213> Glycine max
<223> Clone ID: 700903170H1
<400> 27362

ctattgctaa cttaactctc aagcttagta ctgaatgaag ttattctttt ctctaagag 60

tatcatactt tataccctct ttatctcttc tctttagtgg tccatagcag ccgacaaaca 120
 atccaattca cagtttcagt ccctcagtca tgaagaaacc atagtttccc caaatggagt 180
 ctttgaactt gggtttttcc ctctgggaaa ttccaacaaa agctacctcg caattcggta 240
 caagaactat tcggatgaaa c 261

<210> 27363
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903172H1

<400> 27363

attcgaggtc agaagttcga tgagaaggaa aacatttgtt tcatcacagt ggtgtgttgt 60
 agccccgaga agataagaga caagctttgc taaaagggtg gaggtcttat caagagcatt 120
 gagatactgg aactgcccaa gctcaaggcc gagaagccta aagcagaccc tcccaaagct 180
 gagaagtcca aggccgcgcc cgagaaaaag aaggacgggtg gcggcgagaa gtcccaggcc 240
 gagccccgaga aaaagaag 258

<210> 27364
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903173H1

<400> 27364

aacaggttgt agaattctaa agctaacctc tcgcattttg attcatgggtg gctgtgagtg 60
 gtttggcata atggcgaaat ggattttctt ccccatcctc ttctttgttg tatttgttgc 120
 aagcaccttc ctcttggaat ttaacctttc cagaataaca agaacttcaa ttttcaagac 180
 aattataata ttcaataagc aacaacctca attcccactt aactgcacgg atggaaactt 240
 agcaaaaact tggttca 256

<210> 27365
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903175H1

<400> 27365

aaaagtactg ccactgactt gggatcccat tgttgtagaca aagactcatc aatggtagca 60
cagatgctgg tttcctctaa ttcattgctcg aaattagaag gtggaatgtt tgacaactct 120
atgggtatcag aatttgtgct gtatgatctt acacactcaa gcaaaagtgt ttctcctgaa 180
aaaaagcgtt acagcgacca acactgttct aaaactctaa aagcttctcg tgtaggaatg 240
aagggcgaaa ctttca 256

<210> 27366

<211> 79

<212> DNA

<213> Glycine max

<223> Clone ID: 700903177H1

<400> 27366

ccgaccaaac acagtgttga ttcccaaatac cccattagtt ttcaaaataa agactttgag 60
tggcacccac aagaaggcc 79

<210> 27367

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700903181H1

<400> 27367

ataaaattct gagataagtg attctctgcc ttttcaattt tcatttttaa aaaaagaaag 60
aaaaaaaaa gaaagaaaga aaattgtgca tgctggttct tgaatgatct tcgtcctgga 120
ttcagaattt tcggtgacag atctctgctc ggacttccat aaatgcatat ctgtggatgt 180
gttccacctt ggctctgtca gattctcgtt tgcattggggg aaaattgatg gggctttaca 240
gtttgctact ctttcttga attct 265

<210> 27368

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700903182H1

<400> 27368

gtggtgtgac atgttgtctt cgattccctg gtcaactcaa ctcagatctt cgcaaactcg 60
ccgtgaatct cattcccttc cctcgtctgc acttcttcat ggtgggattt gccccactca 120
cttcccgcgg ttcccaacag tacagggctc tcaactgtccc tgaattgacc caacaaatgt 180
gggatgctaa gaacatgatg tgtgcagctg atcctcgcca cggtcgttac ttgacagctt 240
ctgcgatgtt ccgtggaaag at 262

<210> 27369

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700903183H1

<400> 27369

agaagaagct gcatttgcag agacgcattc gcgtttgtct gagagagaga attggaaggt 60
agcaacgagt gatgatatac atattgtggc ggtagtgaat tcgaggaaaa agaggttagca 120
atcgtgagtt gcaatgagta gcaaaaagtc tccttcatca gcttctgctt cagcttcttc 180
ttcagtagtc tacgagttga gcaaaggcat caatggcctc gacaaggtta ttcttcgcga 240
cccagtggta gctccg 256

<210> 27370

<211> 131

<212> DNA

<213> Glycine max

<223> Clone ID: 700903185H1

<400> 27370

attttacgtg taatattatt cacaaagtct cgcattcaagt cacgtctacc cccaagtcct 60
agagccctcc ctgtgttagg acacctctac ctctcacca agtccccca ccaagcattc 120
cacacaatat a 131

<210> 27371

<211> 253

<212> DNA
 <213> Glycine max

<223> Clone ID: 700903187H1

<400> 27371

ttctaaccac tgaactcatc tcaactacatt aatattccct tgggtttcat taattgtgac 60
 atttagcttt ttttattgaa ccgtgtcaat ggccgctact atgaaggctt tagcttttgt 120
 tgctttgctt gttaccatta atgcaatagt gtgtgaaagt agagtggcga gaaaggacct 180
 tggattggac cttggtgggg tgggaattgg ggtgggtgct ggggttggac taggccttgc 240
 tgggtgggggt ggt 253

<210> 27372
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903190H1

<400> 27372

tttgttttgt tgtaataaaa aattttctct tctttcttct tctcttgaag ttggaaagaa 60
 aggcaagtag agaaagagaa aacaaaaaat ggtagtttcc aggggtggttg tttttcttgg 120
 tctcattctt gcaacccttg tgtcattggc ttgctcccaa tccgtgctc cggtgctgc 180
 tcccacaagt gatggcacct caattgacca aactgtagcg tatatcctaa tgttggttgc 240
 attggttctg actt 254

<210> 27373
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903193H1

<400> 27373

tcaagatgaa gatgattgc attcttttca tctttgctct tctatccttc acttcccatg 60
 cttctaagt caatgacttc tgtgtggcag acctgaaggg tccagatagc cctactggct 120
 atcactgcaa gccacctaaa acagtaacat cacatgactt tgtgttccat ttaggccttg 180
 gaaacacttc aaacgtgttc aagtccgcaa taacctctgc atttgtcaaa gattttcctg 240

002220"ETTES60

ctgtcaacgg tcttag

256

<210> 27374
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700903194H1

<400> 27374

cttgtcttct ctagctacct tatcatcata aaaacactaa acgccccctct atactctctc 60
taccttcttt cttgtatccg tcttaatttc tgcgctatg gcttcggatc acaccatgag 120
ctttcattct tcttccttac acgaagagga cttcgatgat gatgatgatg atcacctaca 180
ccccacccc cacaacttgt cgaggctctc cgtctgcact agcagcacct ttggcgacaa 240
cgaccatggt gacaatc 257

<210> 27375
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700903125H1

<400> 27375

aaccctttca aagaaggaac tcgatacatc gtctgtgggg tatcagcctc cactaccagc 60
tgaccaggtg aaggctgcta cagatcttga ttatgaagga gaggggtcac ctaatggctg 120
tgttcgtggt cgtggtggcc gaggcagggg aaggggcaga ggtaatggct ttatttcagc 180
tgcttatgag gatggaggtt gggatcgcaa taggggaaat gctacgggca ggggtagagg 240
aagaggacgt ggctttcgtg gt 262

<210> 27376
<211> 233
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700903012H1

<400> 27376

gtccgtttca gacgcgtggg caccgaaca ggtgtttccc atttctcaa ttcaccgttt 60
 ggacgaaaag ccttcggtga ggggtattct ctcggacttg acttgtgaca ggcacgggaa 120
 gattgacaag ttcacaaacg gagagtcct ngtggcgctt catgagatgg aatgaggaag 180
 aacttactat ctgggaatgt ttttgggtgg ggcttacgag gacgcgtcgg tgg 233

<210> 27377
 <211> 209
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903022H1

<400> 27377

tgtagctcct gagctttgaa tttggttggt tagttagcaa ttgctacatg ggtaataaat 60
 gccagaatat gcatggacca tataattaac ttgcatactg gggttgtggt tatccatttc 120
 atttgctgaa tgtataatga tcaattgagt gtgaaactga acgcccgttg attatactta 180
 tgatattcta tttgattcac aattaagaa 209

<210> 27378
 <211> 123
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903024H1

<400> 27378

atagaatctc cttatggttg gtagctatgg tgtcagtggc catttgggaa caatgtcaaa 60
 gacatgggac ccattgccat tgtcactata atgatatagt gattttgggtg tccacacaac 120
 ata 123

<210> 27379
 <211> 192
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903027H1

<400> 27379

cgaagatggc aatagaattg gcatctccca attgggttcc aaccgcagtc gcatgtgtgg 60

cagccttggc cgccctctc ctcttctctc tccgcggtct ccgcccgcgt aaatacaatc 120
 tccccccagg cccaagccc tggcccatca taggcaacct aaacttaatc ggctcccttc 180
 cacacaacat ac 192

<210> 27380
 <211> 86
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903032H1
 <400> 27380

ctccaattac ctccagaaaa ttgactccct ggctttgact tgcctattct gcgacaaatg 60
 gcaagagtca ctaattgggt gtgtgt 86

<210> 27381
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903037H1
 <400> 27381

ggcatattga tgatgttaga gactgcttag aagagactgg ggtcgacggg gttctttccg 60
 ctgagaccct gctagaaaat ccagctctct ttgctggatt tcgaactgct gagtgggtgt 120
 ctgaaagtga aggtaccaat gtggatggaa agctggacca ggcagatctg ctaatagagt 180
 atttgaagct ttgtgaaaaa taccctgttc cgtggagaat gattcgttcc atgttcataa 240
 attgt 245

<210> 27382
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700903039H1
 <400> 27382

gcatattcca attcccaatt cccaattcta aacccttatt cttttcaaag aaccaaattg 60
 agtgatcgtg atggcaccaa aggcagataa gaagccagcg gagtagaagc ccgcccaggga 120

gaagaagtcg acggtgggag acaaggctcc ggcggagaag aagccaaagg ccggaaagaa 180
 gcttccgaag gagggaggcg ccggcggaga agggagaag aagaaagata caagaatag 239

<210> 27383
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903040H1

<400> 27383

aattctgctc gaggtgctgt ttatttgaaa ttaacaagta gcacagatgt ttggaatcat 60
 cggaggaaac aagggtcaca agataaatgg gaacttggtg attatgcgaa agaattgtgtt 120
 tgatatcaac agcattatca gtgttaaggg tgtcatcgga accggcatta acatcattgg 180
 atgagtcgtc tgtaccgttt ctgcgttggc gtccacatc tccatcca 228

<210> 27384
 <211> 71
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903056H1

<400> 27384

tcctcattga ccaggcagac ccaaacttga cccaaaaaca ccaaccccg ctaaccaca 60
 aacctacaac a 71

<210> 27385
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903064H1

<400> 27385

cggaattcgg atcgaggatga tacagcacia gaggaccctc gagaggtgac tgctgcaaag 60
 gcagacttaa attatattgg gttagatgga gaaataggct gcatggtgaa tggagcaggg 120
 ttagcaatgg ccacaatgga tataattcaa ttgcatgggg gtactcctgt caattttttg 180
 gatgtaggtg gcaatgcctc tgaaggccag gtgggtgagg catttaaaat attgactgct 240

gatgacaaag tgaaggaatt gtggttaac

269

<210> 27386
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700903072H1

<400> 27386

agacgggccc cattaccatt ttactgagaa gagtataatg gagaaagaaa tcaaagaggg 60
aaagcttctt gagtttgctt ccgtccatgg taatctgtat ggaacaagtg ttgaggctgt 120
cgaactggta tcagatgcag ggaaaagatg tattcttgat attgacgttc aaggtgcaag 180
atctgtgagg gccagttctc ttgaagccat attcatcttt atctgtctcc atcaatgg 238

<210> 27387
<211> 171
<212> DNA
<213> Glycine max

<223> Clone ID: 700903079H1

<400> 27387

cgtggaattc tgctcgagac gcatgatatc attcgctctt ttgagaaggg caatatagtg 60
tctccatttt ctatgcatca acagcagctt ggcattgctag gacacacaca gtctcttcta 120
attgttgctg cagctagatc tactggcggg gatcccaggt atcctggtag c 171

<210> 27388
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700903082H1

<400> 27388

gaaattgtca gtatgacgac tcaaatacaga acctggagac tatgatcagt acagtcattg 60
gtcagtatgg actcttacct gtttcaggag ttatctccaa gcttaagtct gagggacatg 120
gtcatgtttt tacttctgtt ttctatgcac aatctggcat tcaccccatg ttgagtccaa 180
taccagtctg ccagaatgag agttctccct ttgcacaag tagctctttc tagtccaatc 240

ctgaaatcac tgctcagatc

260

<210> 27389

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700903084H1

<400> 27389

tgcaaggcat caccatttat gctcctgtca catctccaaa cactgatggc attagcccag 60

attcttgcac aaatgtaaga attgaagatt gctatatagt tgctggggat gactgtgtgg 120

cggттаagag tggatgggat gagtatggca taaaatttgg gtggcccacc aaacagctag 180

tgataagaag gctaacatgg atctcaccat acagtgcaag cattgccttg ggaagtgaga 240

gtcaggtgga 250

<210> 27390

<211> 174

<212> DNA

<213> Glycine max

<223> Clone ID: 700903086H1

<400> 27390

cagagaaaag agcctgggat gtgctttcgt ctgcttcct tctcctctat ctaccgatgt 60

cctcctccta ggcttggggg actgctctct ctctctcttc accccaatga atgatcgctg 120

ctctatctct tgctcttgtg cctgcttact tggcataatt cgagcaccaa cata 174

<210> 27391

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700903096H1

<400> 27391

gtgatacaac acaagaggac gctcgagagg tgactgctgc aaaggcagac tttaaattata 60

ttgggttaga tggagacata ggctgcatgg tgaatggagc aggggttagca atggccacaa 120

tggatataat ttaattgcat ggggggtactc ctgccaatth tttggatgta ggtggcaatg 180

cctctgaagg ccaggtggtt gaggcattta aaatattgac tgctgatgac aaagtgaagc 240
aatttttggtt aac 253

<210> 27392
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 700903103H1

<400> 27392

ctctatactc gtattgcatt gggaaaggct aagaggatgg atgttggtgtg gggggaaaca 60
gctggtgtgg atggccaact gtggttattg tgtcccatac ttttcacgtt gcagggattt 120
gaggcatatg ttggactggt gttgctcagg actgcagttg ttggggttgt ttctgagtgg 180
caggtaatat tttgcggtgt cctgttggtc ttaatggctg ttgggaactt tgcaaataca 240
gtacagactc tgatggcaaa atcaagattt aaggc 275

<210> 27393
<211> 70
<212> DNA
<213> Glycine max

<223> Clone ID: 700903104H1

<400> 27393

ttcccttttc ctcgtttcca taaccctccc gaatgcttga gacgcttccc gaatccttcc 60
acacaacata 70

<210> 27394
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700903106H1

<400> 27394

ctgagcttgg cgaatgtgaa acttggaagc agaaacctta gggtttgtgc ctcaactgtg 60
cctctctcag gggtgatttt cgaaccattc gaggagggtta agaaggggtga acttgctgtt 120
ccaacggctc cccaagtctc gcttgctcgt cagaactacg ctgacgagtg tgaatctgcc 180

attaatgagc agataaatgt ggaatacaat gcttcctatg cgtaccactc cttgtctgca 240
tacttttgaca gggacaacgt ggctctcaa 269

<210> 27395
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700903108H1

<400> 27395

ctgattttga aaactggaac gcgtaaaatg aacggtaccc ctccctcata aataaaatct 60
actactaaac gctcttctct tctgcaatca atttgcaaac caaacacaac acaaggagaa 120
gaaccagatc tctctttctc aaatcaccaa gaatagttga aaatggggct gtctttcacg 180
aagctgttca gccggtctt tgcaagaag gagatgcgta ttcttatggg ggggtctcgac 240
gccgccggtg aaaccacat tctctacaa 269

<210> 27396
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700903110H1

<400> 27396

gaaaaaagta gaagaagaag aaaagaaaga agaagagaaa aaatcagatg agaagaaatt 60
caaggagaaa tctgcgccgc cagaaatcgt gcttaaagtg ttcattgatt gtgaagggtg 120
tgctcgcaag gttcgctcgt ccctcaaagg attcccaggg gtcgaagata tactcacaga 180
ttgtaagtct cacaagggtg tcgtgaaagg agaaaaagcg gatccgctga aggttctaga 240
gagagtacag aggaaaagcc ataga 265

<210> 27397
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700903111H1

<400> 27397

ggaattcagc tgcagtttgc tttgactata tttcataggc tcctttgtga ttaagaaaat 60
 gtggacgaga acgggttttg aagaagcagc agtttcattg atcaactcag atttcagggg 120
 cctaagtcta gctgctaata gactcgccca tcatgacatc aaacgtgggtg gcattggcctt 180
 tggagcctct ttattcggat tgtttgctgc cattgctgct atttatctgt tgctattggc 240
 tcgtacaaac tggaaaacag tcttc 265

<210> 27398
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903112H1

<400> 27398

catcccacgt ttctctgtc acgagagact gcgcagaacc taaccctcac gaaaaccctt 60
 ttcgattccg ataactctcg ttgttccgaa accctaacct taaccgggtt ttctcgttgg 120
 ttgggattga attggcatcg gagggaggcg atcgattgga aaattggtag tagtagttta 180
 gcgttgaaga acgatgtctg ctgctgtgtg cggaagcgag agatctttct tcgaagagct 240
 tctccttct cgcactct ccaag 265

<210> 27399
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903114H1

<400> 27399

ggcgaaggcg atagagaggt ttggtgaagt gtatgagaga atggaggcgc agaagctgag 60
 gcagatgggtg gatttggaga aacagaggat gcagtttgct aaagatcttg aagtgcagag 120
 gatggagatg tttatggaca cacaggttca gctcgagaga atcaagcgcg ggaaaagatc 180
 tggtctaac gatatgtata gctagccaag tgggcgatgg ttcgttgacg gtgcttgaaa 240
 tgctgtcttg ctttggtgag aaagta 266

<210> 27400
 <211> 123
 <212> DNA

<213> Glycine max

<223> Clone ID: 700903115H1

<400> 27400

ttgcagctgg ctatcagggg agatgaggag ctggacactc ttatcaaagg gaccattgct 60
 ggtggtggtg tcattcctca cattcacaag tccttagatc aacaaatacc gccaaagggga 120
 ttg 123

<210> 27401

<211> 228

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903117H1

<400> 27401

ggcaacccaa catttgaaga tttgaacctg ccattattgt aagtaagaat tgggaaagga 60
 aggaaggaga tgaatctccc tatcatagat ctgtcctcac ctgatcctct ttccactgcc 120
 atttccatgt atcangcgng ctttgagtat ggantcgttt accttgtgaa ccatggcggtg 180
 gagaatgact tgggtcaaagc ctttgatgag agtaagaggt tcttctca 228

<210> 27402

<211> 136

<212> DNA

<213> Glycine max

<223> Clone ID: 700903121H1

<400> 27402

caacacacta tgaagtttgt gttgatctct ttcatttgat aaggctgttt caatattgtg 60
 tagctccatg ttcaattcag agatcaacac actatgaagt ttgtgacata caaaaaacaa 120
 aaagaaaaaa aaaaga 136

<210> 27403

<211> 267

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903123H1

<400> 27403

aaagttccga cttgacccaa actcaagttc cgagttccct ccgctatctg cgatcctagt 60
cctacactct ccgctctagn tcgaaccttg gcgtcgtcac cgacgcgagg acttctagaa 120
ggaagaaatt tgaagacaga tgggagagag gaaggtgttg aacaagtatt acccaccgga 180
ctttgatccc tccaagcttc ccagagcaag aaggccaaag aaccagcaga tcaaggtccg 240
catgatgctt ccgatgagca ttcgatg 267

<210> 27404

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700903011H1

<400> 27404

ctctcactca caaacacaca ctgtactaaa cctaatacagc agagacatgg ttgagcaaac 60
cttcatcatg atcaagcctg atggcggtcca aagaggcctt attggcgaga tcattagcag 120
at ttgagaag aaaggtttct acttgaaagg ttgaaactt gttactgtgg accgtccttt 180
tgctgagaag cactatgctg atttgtctgc caagcctttc ttagtggttt ggtgg 235

<210> 27405

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700902931H1

<400> 27405

acgagatcga gagccccaag aagctaggct acgtcaagat tcctgccacc gagaccaccg 60
ctgctgtctc caccgctccg gcgccggcca agggctcggg atgagaatgt gtcctccgta 120
accgtatggg tttctatgtt gattgttaat aattattata ggtgaattga atagtgaaaa 180
gatcaaattg tgcaaacctt ggccctgtat ctgcgtttat gtttactttt taatttgatg 240
tatttg 246

<210> 27406

<211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700902932H1

<400> 27406

gttgaagaac aatctgatag caaaagcctt ataagtgaag agagtggctc attccttggc 60
 ctggatgatg ttagcatgtc tgagatttat tcttgttctc tttcaattcc tgcaagttac 120
 ctcacgaga tatttagcgg ggggtgagttg gaccgtcggg tcatggaaaa gcttgggttat 180
 cttaattatt cttatactcc ttgggtatct gagaaccatg atatctctga gagagcagta 240
 tattaca 247

<210> 27407
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700902936H1

<400> 27407

aaaagtatat ttcctctgat cgtgtggttt ctgagttcta agcactcacc tctttcatac 60
 acgtttgttc gcttgttgag aagccatggg cgaggatttc gagttcccaa gtgctagcaa 120
 catggaaatg cctgaggagg aagagtttga gagtccgatc ctgaaggttg gggaggagaa 180
 ggagattggg aaaatggggc tgaagaagaa attgctcaag gaagggtgaag gttgggaca 239

<210> 27408
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700902941H1

<400> 27408

caacctagga atggaaattc ttgcttcta tgtttcagta gacggtcggt catctgtgat 60
 gtgtatacac atctaaacta ggaatgtagg tcatccatat gccatgcata gtagtgtaa 120
 tctccaagag agtttctacc tagaagtggg tacaccagct tacaatgtaa cactatacgg 180
 tcggtcatat atgattggag tatttattta aatttgaatg tgattcgatc 230

<210> 27409
 <211> 229
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700902943H1

<400> 27409

gtcgatctga gctcaaaaca atggcgaaac caaggtactc tcgtcttcca cctcgcacgt 60
 catcctcgtc ttccacgctg aatacgacac acgaannngg tcttnanctt cctcgnnnta 120
 attctcttgg ctctcggcat cctctccatt cctagctcct cgcgtggaaa tttgccc aaa 180
 ctaggcgatc tcgcatccat tgctcgcaac acaatccaca cttcatacg 229

<210> 27410
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700902950H1

<400> 27410

gaagaaactt caaatgtgac ttgtattttc aaagcaatta atgattatga aattaaagt 60
 gtaatttttt tttttgataa aatcttatta atatacgctc atcattagat tagatagtgt 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg ggcccccgta aaggaacccg 180
 ttccaccggg aatttattcc gggacgggaa cggaggggggt gacgggt 227

<210> 27411
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700902953H1

<400> 27411

agagagaact tgctctgctc tctctttgct ttgctgcttc tccctataat ctctctgcaa 60
 acttgttcag caagaaacca ctttagaaat agcataaagt tgggttattt caagcttctg 120
 attccaggac gacaacaaca acaacaacaa caaaaagaag tgattgattt gtgatggaag 180
 ataaatatag tctaggcagg cagcatagtg ggatatggaa gtccttgaga gatggag 237

<210> 27412
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700902958H1

<400> 27412

tcttcttgga aatgaagctg atattgtttc aaatgggata acacgaattg accacagcag 60
 tcttagtggt gttgggaact ctactagaaa tctgcctgct actgagatgc cagaacaagg 120
 taaacaggct caggttattc atggtttgcc agattttgct gatgtttaca gtttcattgg 180
 aagtgtttat gatccagaca cagtaggagt cttccagaag ctgaaggata ttgatc 236

<210> 27413
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700902959H1

<400> 27413

ctgatgatct gcacaaacat aaatgctgag cccatgcaac cgatgggtgga acttcactca 60
 ctgcaatagc aaaatgtata tttttgtatt atccacgtat gaatatgtac taacattttc 120
 ctttgtaac atgttttctt atttaccct cccctccaa cccataagtg ggcttctctt 180
 tctacatgtg taacttttag tgggttaaaga aaatatctt tttcctttt 229

<210> 27414
 <211> 119
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700902964H1

<400> 27414

cagaagcttg tgatcaatca tcaacacaga gctgagtgtg ttgctctgtg aatccacctt 60
 cttcttccat tggaggacca ttttctcctg gaatagaaat actaccacac aacatacga 119

<210> 27415
 <211> 235

<212> DNA
 <213> Glycine max

<223> Clone ID: 700902966H1

<400> 27415

aattgctgca gtccttaaac aacgacaaac tcttatgtct agtaaataatgat cagcttcac 60
 aagcaccaag accttcacac ccatcagcct agttgcaaaa ccagcagtat tctcagtatg 120
 atctcttagc cttccaggag tagcaacaag gatctggcaa gggtttgccct gcatccgttt 180
 ctgctctaaa gcaagtcttg tccctccaat cagcacttgt acaccaatgg ttgggt 235

<210> 27416
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700902974H1

<400> 27416

agtaaacata ggatccacac tacattcgat attaatactt ttgtttctat ttctctggag 60
 gcagctagct aggggtcaatc tcatggggat cttgaaagga gacagtggac atgccaatgg 120
 cgaaaatctt accgaagctc ttttgccaac acgagatgca caacaacaac atcaaacaga 180
 cgtcgtggaa caaagatttg gtgacaagct ctggcttgaa accaggaagt tatggct 237

<210> 27417
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700902977H1

<400> 27417

gtggtttcag tgagtgatcg gtgttcactt gatccttcat aagtcgtcat catcatcatc 60
 atcatcaccg ttgattgaag aagatgccga tcagaaacat cgccatcgga aggctgaag 120
 aggctactca ccccgacacg ttgaaggcgg ggttggtga gttcatctcc accttgatct 180
 tcgtgttcgc cggttcaggt tccggcatcg cctacaacaa gctcaccgac aacgg 235

<210> 27418
 <211> 238

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700902981H1

<400> 27418

cgcaacaaaa agaaagaatc ccaggcgagg agaaacatgg aggggaagga gcaggatgtg 60
 tcgttgggag cgaacaagtt ccccgagaga cagccgattg ggacggcggc gcagagccaa 120
 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180
 acgtcatggt cgttttacgc agcagggata gcagagtttg tggccacttt tctgtttc 238

<210> 27419
 <211> 233
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700902982H1

<400> 27419

tagcagactc tgctgcagtg agtcgtcgat gcagagtacc tcaaggaggt cgacaaggct 60
 cgccgcgatc tccgcgcact catcgctacc aggaactgcg ctctctcat gctccgatta 120
 gcctggcacg atgccggaac ttacgatgct aagaccaaga ccggtggacc taacggttcg 180
 atccggaacg aggaagagta ttctcacgga gccataatg gcttgaagaa agc 233

<210> 27420
 <211> 233
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700902986H1

<400> 27420

gatctatata tgcataaaca ctaataatag aagtctaact ataattttta ttatttggcc 60
 aaatgaacat gaccaaagaa ttagctaaaa caatgccccca gctagattag attggttata 120
 tcctgtatta tataattcaa ttaaacagat ttattattca agagaaaatc agcatttctt 180
 ctacagtact gagatttctt ccaagagtat tttatatata aatcaacatt ttg 233

<210> 27421
 <211> 223

<212> DNA
 <213> Glycine max

<223> Clone ID: 700902987H1

<400> 27421

taaagccact accttcattg aaaaaataca agcttcagat ggatcatggt atggttcttg 60
 gggagtttgc ttcacttacg gtgcttggtt tggggtaaga ggtctgattg ctgctggaag 120
 gagtttcagt aattgctcaa gcatccgtaa agcttgtgaa tttctgctgt ccaagcagct 180
 tccttctggt ggctggggag cgagttatct gtcctgtcaa aac 223

<210> 27422

<211> 231

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700902990H1

<400> 27422

cgaaggnaac gctgtcgttg cgccaatcgc ggcgttggtg ttggtggtgc tactcgcggc 60
 gagtgtggtg gtggaggctc aggagaactc ggacgtgaag acgctggtga agcacatgca 120
 cggaagaag tactgcgaca aaggatggga atgtaagggc tggtaatta ctgttgtaac 180
 ctactatta ctgaatatct ccagacctac cagttcgaga atctcttctc c 231

<210> 27423

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700902991H1

<400> 27423

tggaaaacc tagttcgctt gcagtcacac aagaggccaa tcctattcat agctcgagat 60
 ggggtgaagaa gtgaaggtag ttgttcaga atcagtgttg aagaagcgca agaggaggga 120
 ggaatgggagc ttggccaaga agcaagaact cgatgctgcc aagaagaaga gagccgagag 180
 ccgcaaactc atctacaaca gagctaagca gtacgctaag gaggtagatc accagga 237

<210> 27424

<211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700902993H1

<400> 27424

cacaacaaaa aaagacaaca cagagagaag cgtcttaata aacgctcttc tctgaaaaac 60
 ctgatttctt ctcttcttct cttctctttc gtttcgatct tcgatctctg aaaatgagag 120
 agtgcatttc aatccacatc ggtcattttg ttattcaggt cggaacgcc tgctgggagc 180
 tctactgcct cgaacacggc attcagcctg atgggcagat gccaagtgat aagac 235

<210> 27425
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700902994H1

<400> 27425

attctatgcc ctttccccct ttttcgtctc tagggttact gcaactgcta caagaagaag 60
 cttccgcaat ggagcgagac cgcgtcgttt cacagccagt tgcggttatc gcttgcacg 120
 caatggccgt gttctacgtg gccatcctct acgctccac cgtgctcctt cgtctccac 180
 ctctctcttc cttcaaaacc tacatgcttc gtcgcttctt atgcgccgctc gtttcgt 237

<210> 27426
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700902995H1

<400> 27426

ctctcacaca cactttctct ctctctctct ctcaccaga tcttgtagca atggcgagcg 60
 ctcccactcc acgcgaagag ttcgtgtaca tggcgaactg gcggacaggc cgagcgctac 120
 gaggagatgg tggagtcat ggagaaggc tccgcctccg ccgagagcga ggagctgacc 180
 gtggaggagc gtaacctcct ctccgtcgcc tacaagaacg tgatcggcgc tcgccgcg 238

<210> 27427

<211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700902996H1

<400> 27427

ccggaccagc agaggctgat ttttgctggc aagcagctcg aggatggaag gaccctcgct 60
 gactacaaca tccagaagga atcaaccctt caccttgctc tccgtctccg tggggggcctt 120
 taagctcggt gtgtaatggt ggatgtgttc ccaaaacatt tgaagaactt tgatgtttaa 180
 tgggtctgta ataatgtccc ttgaaaataa gttegggttg tgttgaactc aattgtgtcc 240
 c 241

<210> 27428
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700903001H1

<400> 27428

agcatgtcca tcaccacctt ccttctctc ctctctctc cgccggcgat caccgccacc 60
 ccgacggcgt acgagatgct ggagagcttt cactttccgg cgggtattct cccaaggga 120
 gtgaccggtt acgagctgga tccgtccagc ggcaaattca gcgccgatct gaacggttcg 180
 tgcagtttct cctcgaagg ttcgtaccag ttgagctacc agaaaaccat caccggctac 240
 gtatccgaag aaggctcacc gaact 265

<210> 27429
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700902930H1

<400> 27429

gaatagattc ataaaatggt tcaaagggat cttactagc tgcacttggt gaatgctcaa 60
 aggatgatga tgaagtaatt actagtagaa atttttggaa tggagctaag gtgccaataa 120
 ggagtattag tgatcggtat ggggttatta gcctttatgc ctcttgcaag agaacttggt 180

ctgattctgt atcataagtt gaccttccaa tttttttaag aagcacctgt

230

<210> 27430

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700903009H1

<400> 27430

aaacaataaa ataaaataaa acagaagaga aggaaacaga agtagaaaaa aaataaaatg 60

ggttacacaa gatcttctac tctgtccgtg gctcttgtct tggcattctg ttcaagcatt 120

caggggttgg acatcaccaa attggtgggc gaatatcccg aatatgcaca gttcaacaaa 180

tacctaactg aaaccaagct ggcggaccaa atcaacagcc gtaacgcctt acagtccttg 240

<210> 27431

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700903010H1

<400> 27431

gtgatttcag tgagtgatcg gtgttcactt gatctcatca taatcgtcag cgtcaattga 60

agaagatgcc gatcagaaac atcgccgtcg gaaggcctga agaggcgact caccgccaga 120

cgttgaaggc ggctttggct gagttcatct caaccttcat ctctgtgttc gccggctcag 180

gctccggcat cgcctacaac aagctcaccg acaacggcgc tgcacccctg ccgg 234

<210> 27432

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700902901H1

<400> 27432

caaaagctca tgggtggtttc tctgtgtttg ctggtgttgg agaacgaacc cgagagggta 60

atgacttgta cagagaaatg attgagagtg gtgtcattaa gcttgatgat aagcagagtg 120

aaagcaagtg tgctcttgtg tatggtcaaa tgaatgagcc ccctgggtgcc cgtgccctgt 180

ttggtcttac tgggcttact gtggctgaac acttccgtga tgctgaaggg caagatgtgc 240
 ttcttttcg 249

<210> 27433
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700902906H1
 <400> 27433

gcgacgctct ctacacgctg aaacggatcc tctcggaccc tgacaacgtc ctccagagct 60
 gggatccac tctcgtagt cctgtactt ggttccacgt cacctgcaac ctggacaacc 120
 gagtcactcg agtggatctt ggtaactcta acctatctgg acatttggtta cctgaacttg 180
 ggaagctgga gcatctacag tatcttgagt tgtacaaaaa caacattcaa ggaactattc 240
 ct 242

<210> 27434
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700902907H1
 <400> 27434

tagatggcaa tttcttacca aattagaaat tctggtgtct tctttttcct ttgtgttctt 60
 ctcttttggtg tgtctgatct gggtcgacca gccacttttc tgcaagactt tcatgtcacg 120
 tggctctgact cccacatcaa gcaacttctg caaggcaggg caagccaact cagacttgac 180
 cagagctctg gatgtggata tgcttccaag gtgaagtaca tgtttcgggc gtgttagcat 240
 g 241

<210> 27435
 <211> 230
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700902908H1
 <400> 27435

ttcggacagg aacaggatca acatagctgc cagtgtctcag aaagtcgatg tcgataaccg 60
aatctccctc cgattctact accgcacgc tgccaacatc ctccgacagg ctgatatctt 120
tcgtgcagag aagaatatta ttgacctata tgtcatgctt ttaagatttt ctagtttggt 180
gtctgagaca ataccacgcc accgagactt cagatcatct ccacacagga 230

<210> 27436
<211> 243
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700902910H1

<400> 27436

gtacaccctt gacccttga tttctctcag ttccgttctg catcatagag taaggccanc 60
cacgatcttc gattcttcna nttgaacaca agcgctaaga taccttccgt tggtttgga 120
acgtggctcg ctgaatctgg cgttgttgct cgcgcttgg tcaactgcaat aaacgttgga 180
tatcggcata tagattgtgc gcaaatttat ggcaatgaaa aggagattgg tgctgccttg 240
aag 243

<210> 27437
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700902917H1

<400> 27437

tctgaattct gctcgaggga aacgtgcact tgtagccgc atgcttcagt atgttcttga 60
ccatgttgtg ttgcaaacc catttctga cattgtcata aaacgaactt tggaaggcaa 120
accctatttg gattattatg ataaatttga tcttagattc ccaaatttta atttcaatgt 180
atctcatcat ggtgactatg tggccatagc atctgaacct gtatgtcttg tgggggtaga 240
cattgtctcc tatg 254

<210> 27438
<211> 206
<212> DNA
<213> Glycine max

<223> Clone ID: 700902922H1

<400> 27438

cttcccaaaa gtttaatcct gaâacctaag gtctgggtcat aaatctatac attgttgtaa 60
 gaacatgtgc atttcaaagtc tcacatgagt ttgttccttt cgagatttgt tgcttggttg 120
 aagattggag actggaagat agcatgccac atgttctttc ttggtgtgtt aaatgggtat 180
 agtaaatgaa ttaaattatt cttgtt 206

<210> 27439

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700902923H1

<400> 27439

cagcggtcat ctcaatctag atttgtgtgc ggtgcgtctc cggtgaagag aagaagattg 60
 cgaccgtacc aggacagctc atatgggagg tcgtaaagaa gaacaactct ttcttggtga 120
 aagagttcgg aaggggcact cagagcgtgc agttcagcag agagcccaac aatctctaca 180
 acctcaacac tttcaagtac tccggtttgg cgaacaagaa aactgtcact gttcaacctg 240

<210> 27440

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700902925H1

<400> 27440

ctcgaagtct tgagcactaa gtgggtgagg aaatgggaac ccttggggaga gcgatctaca 60
 gcgttggtta ctggattcga gggactggac aggccattga gtgtctcggt tccctcctcc 120
 agggcggtta ctacggccaa gagcagctgt ctaggcacgc aactctgatg gacatatttg 180
 ataaggctcc tgttggtgat gaggatgtat ttgttgcgcc tagtgccctcc gtcattggag 240
 acg 243

<210> 27441

<211> 240

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700902929H1

 <400> 27441

 ctaaaatacg taaccaggcg tctcacagtc gccgtcctgt caagagcgct aatgaacggt 60
 ctcattacca cgcangagta cggggagccc tgaaccgccc gctgctcggc ggatcccagc 120
 tgcggtggcg acggcgggaa ggcgctttcc gctgttcctc agcggggcgg gcccttgacc 180
 agcgcgggccc gcagggtcttc cttctcgccg tcttgacggt gaagagctac atacgtagtc 240

 <210> 27442
 <211> 1044
 <212> DNA
 <213> Glycine max

 <223> Clone ID: fC-gmfl700905635

 <400> 27442

 agagaaaagc gcgctatata caagaacttg agcgcaaggt tcagactctt cagacggaag 60
 ccacaactct ttctgcccac ttgacattat accagaggga cacatctggc cttagtactg 120
 aaaatacaga gcttaagctc cgtctgcaag ccatggagca acaagcacag cttcgcgatg 180
 ctcttaatga agcattgaag aaggaagttg agagacttaa gggtgctacc ggtgagggga 240
 tgagccacac tgaatccttt aatctgggaa tgcaccagat gccattttcc ggatcaaatt 300
 tcattccaat cccgccacaa tcaggctcct ctggtcacca gaacatgcag atgccaccat 360
 ttggctactc cccatccaca atgccaaact atcaactgca tcaaacaagt tctcatccat 420
 attcagaaat attgcaaaat gaacagcttg gtcgtttcca agggcttgac attagtagca 480
 aaggatcaac tctcgtgaag tctgaaggcc cctcgtcttc tgcaagtgag agtagcagta 540
 cattttgaat ttgacagaaa atgcttgacc tgctgactta tccatgctat tcattgctca 600
 taggggtgac atttagtcaa ctagtgaagg tacctcattt catgattcag atttgaggat 660
 taattcttaa ctatttattc taagggttgc tcgccaaaaa ggggaagcac ccttgggggtt 720
 ttgttgcaaa gttcacagta atcatgtttc agcatggcat ttggtgtttc tgggcgctgg 780
 aatattggga atgaaaggtc attccattg tatctttgta tttgtatcat cgtttacgtg 840

atagcatgta aactgtgtga tttattgttg tgttttactt cattcatagt ccaagatgga 900
 ctcttttttt tttttctttg tataattagt tttagattta ttcatagtcg ttgtacaatc 960
 caagagtttt ggggtacttgt tgtattaaac ttcttctgag ataagacctt ttttttgaaa 1020
 aaaaaaaaaa aaaaaaaaaa aaaa 1044

<210> 27443
 <211> 281
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700889033H1

<400> 27443

agttgcannc acgcgtacgt aagctcgggt tttcgcagaa acgtggctgg cctgggttcac 60
 cacgcgggan anggnctga taananacac cggcatactc tncnacatcg tataacgtta 120
 ctgggttcac attcaccacc ctnaaattga ctctcttccg ggcgctatca tgcctaccg 180
 cgaaangttt tgcgccattc gatgggtgtca acgtaaagtc cgcttcnctt tcgcgngcca 240
 attgcaagct ctgcattaat gaatcggcca acgcgcgggg a 281

<210> 27444
 <211> 77
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700889127H1

<400> 27444

agactaaagc acgcgtacgt aagcncggaa ttaggctcga gaggcncgag nacngcnctt 60
 nanaaaannn naaaagn 77

<210> 27445
 <211> 71
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700889330H1

<400> 27445

tngcatgcac gcgtacgtaa gncggaattc ggcncgagcn agtnctagan cgcgagcggc 60
cgccccctttt n 71

<210> 27446
<211> 121
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700889718H1

<400> 27446

gtcagngtac gtgagctacg gaatcagggg atagcgcagg aaagaacatg tgagcnaaag 60
gccagcaaaa ggccaggaac cgtaaaaagg ccgcgttgct ggncgttttt accaacaaca 120
a 121

<210> 27447
<211> 276
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700890054H1

<400> 27447

gtcgcacgca cgcgtacgta agctcgggaat gaatcggcca acgcgcgggg agaggcgggt 60
tgcgatttgg gcgctcttcc gcttcctcgc tcaactgactc ntncgcgctc ggtcgttcgg 120
ctncggcgag cggtatcagc tcaactcaaag gcggtaatc gggtatccac agaatacagg 180
gatnnacgca ggaaagaaca tgtgagcana angcnagcaa aaggccagga accgtaaaaa 240
ggccgcggtg ctggcgtttt tccacacaan ananan 276

<210> 27448
<211> 134
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700890268H1

<400> 27448

gncgtcgcat gcacgcgtac gtaagctcgg aattccggac cggtagctgc aggcgtacca 60
 gctttcccta tagtgagtcg tcattagagc ttggcgtcaa tcatgggtcat cagctgtttc 120
 ctgtgtgaaa ttgt 134

<210> 27449
 <211> 73
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700890285H1

<400> 27449

aagtcgcang cacgcgtacg taagctcgga attcggctcg agntctttat atggggttg 60
 acaatgtaat ctt 73

<210> 27450
 <211> 72
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700890622H1

<400> 27450

ngcacgcgta cgtnagctcg gaattcggct cgaggttcta gatcgcgagc ngccgccctt 60
 tttttttttt gn 72

<210> 27451
 <211> 74
 <212> DNA
 <213> . Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700890665H1

<400> 27451

gtcncangca cgcgtacgta agctcggaat tcggctcgag tgacaagttg gagtctgatg 60
 aaaaaaaaaa aang 74

<210> 27452
 <211> 64

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700890678H1

 <400> 27452

 gtcgcangca cgcgtacgta agctcggaat tcgggctcga gaanaaaaaa aaaaaaaaaa 60
 aaan 64

<210> 27453
 <211> 286
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700890696H1

 <400> 27453

 tngcangcac gcgtacgtaa nctcggccca ctgaccggtt ncgcgagaag nttgtgcacc 60
 gccgctttac aggcacgcac gccgcttcgt tctaccatcg ncaccaccnc gctggnaccc 120
 agttgatcgg cgcgagatth antcgccgcg acaatttgcg acggcgcggtg cagggccaga 180
 ctggaggtgg caacgccaat cagcaacgac tgtttgcccg ccagttgttg tgccacgcgg 240
 ttgggaatgt aattcagctc cgccatcgcc gttccacnt tntnnn 286

<210> 27454
 <211> 167
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700890931H1

 <400> 27454

 atacagtacg taagctcgga attccgagct tngatcctc tagagcggcc gccgactagt 60
 gagctcgtcg acccggaat taattccgga ccggtacctg caggcgtacc agctttccct 120
 atagtgagtc gtattagagc ttggcgtaat catggtcata gctgttt 167

<210> 27455
 <211> 305
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700891220H1

<400> 27455

```
atncacgcgt acgtaanctc ggnatattta tgccaaccag ccagacgcag acgcgccgag 60
acagaactta atggggccgc taacagcgcg atttgctggt gacccaatgc gaccagatgc 120
tccacgcccc nnagcgtacc gtcttcatgg gagaaaataa tactgttgat ggggtgtctgg 180
tcagagacat caagaaataa cgccggaaca ttagtgcagg cagcttcac acaacataat 240
tttttnaaaa aaanaana nnnnnnnnnn nnnnccact nnnnnnnnnn nnnnnnnnnn 300
nnanc 305
```

<210> 27456

<211> 103

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700891549H1

<400> 27456

```
ncgtcgang cagcgtagc taagcncgga attcggtcg agngagtnac acatagtnat 60
atcnacntna anattgggtn cncaaaanan aaaaaaaaaa aag 103
```

<210> 27457

<211> 204

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700891780H1

<400> 27457

```
gtcgcgangca cgcgtacgta agctcggaat tcggctcgag gactagttct agatcgcggg 60
cggccgcca ctagttagct cgtcgacctg ggaattaatt ccggaccggt acctgcaggc 120
gtaccagctt tccctatagt gagtcgtatt agagcttggc gtaatcatgg tcatagctgt 180
ttcctgtgtg aaattgttat ccgc 204
```

<210> 27458.
 <211> 153
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891832H1

<400> 27458

cacgcacgcg tacgtaagct cggaattaat tccggaccgg tacctgcagg cgtacagctt 60
 tccctatagt gagtcgtatt agagcttggc gtaatcatgg tcatagctgt ttctgtgtg 120
 aaattgttat ccgctcacia ttccacacia cat 153

<210> 27459
 <211> 232
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700891833H1

<400> 27459

gncgcangca cgcgtacgtn aagctcggaa ttcggctcga gctcgaccgc tagttctaga 60
 tcgcgagcgg ccgcccnttn ntgnnttcgt cgnctcgggt nttaattccg gaccggtacc 120
 tgnaggngta cnagcnttcc ctatagtgag tcgtattana gcttggcgta atcatgggtca 180
 tagctgtttc cngtgtgaaa ttntnatncc ctcacaattc cacacaacat ac 232

<210> 27460
 <211> 283
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700892052H1

<400> 27460

gtcgcangca cgcgtacgta agctcggaaat tgactctctt ccgggcgcta tcatgcnta 60
 ccgcgaaagg ttttgcgcca ttcatggtg tcaacgtaaa tgnccgcttc gccttnccgcg 120
 cgcgaaattgc aagctctgca ttaatgaatc ggccaacgcg cggggagagg cggnttgctg 180
 attgggcgct ctccgcttc ctcgctcact gactnrtgn gctcggctgt tcggctgcgg 240
 ngagcgggtat cagctcactn aaaggnggna annngtttac ccc 283

<210> 27461
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700892110H1

<400> 27461

gataantcga atcgctcgagg nacctcaatc ggacaangag ncttatggaa gcnnannnan 60
 ggattgaana tcccgggtgg nttnaagaag gggaanacca ggcaggnaaa cngtggttttc 120
 cgntnaaagg cngaaggngn ttaaacnaac gatngccttg caagacttcc cganagcggg 180
 naaaaccggt tggnaacnca aangttaggn gtttggancc cnaacttttn tggnaaaccc 240
 ntgggnagacn tttaattccc nagntttccg ggttccttcc ggaagggggg ncccactttg 300
 gaattatccg gantgggtttt ccaaacaacc 330

<210> 27462
 <211> 63
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700892554H1

<400> 27462

tcgcangcac gcgtacgtaa gctcgggaat tcggctcgag nnaaaaaaaaa aaaaaaaaaa 60
 aan 63

<210> 27463
 <211> 167
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700893209H1

<400> 27463

cgcnacacgc gtacgtaagc tcggaattcg gctcgagggt ctagatcgcg ggcgcccgcc 60
 gactagttag ctcgtcgacc cgggaattaa ttccggaccg gtacctgcag gcgtaccagc 120

tttccctata gtgagtcgta ttagagcttg gcgtaatcat ggtcata

167

<210> 27464
<211> 273
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700893240H1

<400> 27464

gcangcacgc gtacgtaagc tcggagcgcc atctgatcgt tggcaaccag catcgcagtg 60
ggaacgatgc cctcattcag catttgcag gtttggtgaa aaccggacat ggcactccag 120
tcgccttccc gttccgctat cggtgaatt tgattgagag tgagatattt atgccagcca 180
gccagacgca gacgcgccga gacagaactt aatgggcccc ctaacagcgc gatttgctgg 240
tgaccaatg cgaccagatg ctccacgccc agt 273

<210> 27465
<211> 148
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700893725H1

<400> 27465

ntnecgnnecgn aanctcggaa ttccggaccg gnacctgcag gcgtaccagc tttccctata 60
gtggnnacgt attagagctt ggcgtaatca tggatcatagc tgtttcctgt gtgaaatngt 120
tatccgctgn caattccaca caacatan 148

<210> 27466
<211> 162
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700893750H1

<400> 27466

ngtcgcatgc acgcgtacgt aagctcggaa ttaattctgg accggtacct gcaggcgtac 60
cagctttccc tatagtggag tcgtattaga gcttggcgta atcatggtca tagctgtttc 120

ctgtgtgaaa ttgttatccg ctcacaattc cacacaacat ac

162

<210> 27467
 <211> 220
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700893842H1
 <400> 27467

cgcangcacg cgtacgttag ctcggaattc cgagcttggn tcctctagag cggccgccga 60
 ctngtgagct cgctgacccg ggaattnatt ccggaccggt acctgcaggc gtaccagctt 120
 tccctatagt gagtcgnatt agagcttggc gtaatcatgg tcatagctgt ttctgtgtg 180
 aaatngttat ccgctcacia ttccacacia annnnccn 220

<210> 27468
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700893951H1
 <400> 27468

acgtcgcang cacgcgtacg taagctcgga attcggctcg aggtttttac tgactttaaa 60
 aaaaaaaaaa angggcggcc gccgactagt gagcncgctg ncccgggant tanttccggn 120
 cnggnncctg cngngtacc agcttnccct anagtgagnc gtnttanagc ttggngtaat 180
 canggncana ncngtttcn gtgnnaaatt gttanccgcn canaattcca cacacacnnn 240
 nnngccacng nnnngcnagn 260

<210> 27469
 <211> 76
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700893983H1
 <400> 27469

gggcgantcg angcncgcgt acgttagctc ggnattcggc tcgagnnana aaaaaanann 60
naaaaaaaaa aaaaaa 76

<210> 27470
<211> 292
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700894050H1

<400> 27470

nngnaagann cgnatgcacg cgtacgtaag ctcggaattn gntntgggnat ggtanntgca 60
ggngtactag nttaantat agtgagtngn antngaggtt ggcgtnttaa tgataatagc 120
tgnttnatgt gtgaaattgt tatccgttca canttcgaca gatangtang atnnnngcgt 180
ngcacncatg angaagttat tgtnatncaa anaaggnana ntncnatgt gngtaangna 240
agcngcatan gantccaatn gttnannttt cgnannnatg agagnatnta tc 292

<210> 27471
<211> 79
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700894125H1

<400> 27471

cgcgctccgtc anctcggaat tcggctcgag ngtggttaca ntggaaatgt gaaaagtatt 60
ttccaaaaaa aaaaaaang 79

<210> 27472
<211> 68
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700894321H1

<400> 27472

gtcgcacgca cgcgtagta agtcggaat tcggctcgag tttttttttt tttttttttt 60
nccttccc 68

<210> 27473
 <211> 62
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700894354H1

<400> 27473

tcgcangcac gcgtacgtaa gctcggaatt cggctcgaga aaaaaaaaaa aaaaaaaaaa 60

aa 62

<210> 27474
 <211> 65
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700894476H1

<400> 27474

gtcgcangcn gcgtacgtn agctcggnat tcggctcgan ctaaaaannaa aaaaaaaaaa 60

aaaaa 65

<210> 27475
 <211> 79
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700894878H1

<400> 27475

gtcgcangca gcgtacgta agctcggaat tcggctcgag attctagatc gcgagcngcc 60

gccctttttt tttttttt 79

<210> 27476
 <211> 59
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700894940H1

<400> 27476

gnagcatgca cgcgtacgta agctcggaat tcggctcgag ccagatcttg caaaaaaaaa 59

<210> 27477

<211> 106

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700895067H1

<400> 27477

nccacnngac gtcgcangca cgcgtacgta agctcggaat tcggctcgag ccaaattctg 60

gatacgggat tggatttctc tttaaaaaaaa aaaaaaaaaan gggngg 106

<210> 27478

<211> 202

<212> DNA

<213> Glycine max

<223> Clone ID: 700895120H1

<400> 27478

gtcgcacgca cgcgtacgta agctcggaat tcggctcgag actagttcta gatcgcgagc 60

ggccgcccac tagtgagctc gtcgaccgga gaattaattc cggaccggta cctgcaggcg 120

taccagcttt ccctatagtg agtcgtatta gagcttggcg taatcatggt catagctgtt 180

tcctgtgtga aattgttatc cg 202

<210> 27479

<211> 96

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700895277H1

<400> 27479

gacgtcgcan gcacgcgtac gtaagctcgn gaattcggct cgagnttcta gatcgcnagc 60

ngccnccctt tttntttnt tntntttnt ttnntn 96

<210> 27480
 <211> 190
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700808309H1

<400> 27480

cgcnngcacg cgtacgtaag ctcgggccga ctagtgagnt cgtcgacccg ggaattaatt 60
 ccggaccggt acctgcaggc gtaccagctt tccctatagt gagtccgtat tagagcttgg 120
 cgtaatcatg gtcatactgt tttcctgtgt gaaattgtta tccgctcaca attccacaca 180
 acatacannn 190

<210> 27481
 <211> 224
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700808406H1

<400> 27481

gtcgttagca cgcgtacgta agctcggaat tccggtcgag nactagttct agatcgcgag 60
 cggccgcccga ctagttagct cgtcgacccg ggaattaatt ccggaccggt acctgcaggc 120
 gtaccagctt tccctatagt gagtccgtatt agagcttggc gtaatcatgg tcatagctgt 180
 ttcctgtgtg aaattgttat cccgctcaca ttccacacaa cata 224

<210> 27482
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944453H1

<400> 27482

ggcgaagaac agaataga ggaagaacaa gaggatgaca aggatgaaga gaatgaacaa 60
 cagcaagaac aattacctga agagtttatc tttgatgctg aaggtggctt ggtagatgaa 120
 aaactcctct tctttgccca acaagcacag agacgccgtg ggagggctgg aagggcaaaa 180
 aatgttatat tttccgagga tagaggccga tacatcaagc ccatgcttcc aaagggccct 240

gtaaagagat tagctgtaga tgca

264

<210> 27483
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941050H1
 <400> 27483

tgctgcttct ggaaattttc attggaattt tgaagatggt gctaaatcaa ttgtgtgcat 60
 gatgatgtct ggcccattct tgacaggata taccagact atgaatgatt ggtacgaccg 120
 agaaattgat gcaataaatg aaccttatag accaattcct tctggggcaa tatctgagaa 180
 tgaggtaatc actcaaatat ggggtgttgc gcttggtggt ctttctctgg ctggtatatt 240
 ggacatatgg gcagggc 257

<210> 27484
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943660H1
 <400> 27484

ctttctcttt ctcttcactc taaagtctaa gcatccatgg ccatggcgtc tgcaaagctc 60
 aacaccttgt cttcccagtg gatcgccac aattccttct ctctcgccg tggatcctct 120
 tctcgccgag tctctcttcc gatccgcgt tcttcttacc aacacgaact cgtccaaacc 180
 gccaaatcta ttgcatctcc cggtcgtgga attcttgcaa ttgatgaatc aaatgccaca 240
 tgtgggaagc gtttagcatc cattggat 268

<210> 27485
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944323H1
 <400> 27485

ctcaggacaa tggctctgtg ccaatcgtag agcctgaaat tcttcttgat ggagaccacc 60

caattgagag gacgctggaa gtggccgaga aggtctggtc agaagtcttc ttctatttgg 120
 ctgaaaacaa tgtccttttt gaggggaattt tgctcaaacc cagcatgggt acacctgggg 180
 ctgaacacaa ggaaaaggct tctccagaaa ccattgccaa atatactcta accatgctta 240
 gaagaagagt tctcctgct gtcc 264

<210> 27486
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946357H1
 <400> 27486

tgaagatgcg gttggtgaag atgtggtggg agaactaacc aagtcctatg aaaaaattgg 60
 cctggatatg cgcgttgctg ctctagtcag tctcactctc ctctcttttg gatttcttta 120
 ttttttatag ccggatttga gcatgatggg ttccagtttg tgtctgacag aaatttggag 180
 ttataagggt aatgatacca ttggaacatt agctggaggc agattctaca atcaggatgt 240
 cattgctgct 250

<210> 27487
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946288H1
 <400> 27487

gcaatgtatg gtttggagct ggtgttatcc tcaagggaaa aatcagtatc gtggccaatc 60
 ctggtgttaa gctggaagtt cccgatgggt ctgtcatttc ggataaggaa attaatggcc 120
 cagaggacct cctgtgagga agcccgtga gtttagaagt atcagactgt atactatctt 180
 tatggtctca tgttttttcc aattattact actcccaagt ttgatgggca aagaaaataa 240
 gtcccttttt gtttgtcttc tg 262

<210> 27488
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943619H1

<400> 27488

tgtagctgc tcctattatc ttggacttgg tccttcttgc tgagcttagc actcgaatcg 60
agtttaaagc tgaaaatgag ggaaagttcc actcattcca cccagttgag accatcctca 120
gttacctgac caaggccct ctgggtccac cgagtacgcc agtgggtaat gcactgtcaa 180
agcagcgagc tatgctggaa aacatcctaa gggcttgtgt tggattagct cctgagaaca 240
acatgatcct ggagtacaag tgaagttcaa agt 273

<210> 27489

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700942984H1

<400> 27489

aatagtttga ttggaggaga tgactttaag agtggtcaga ccaaaatgaa atcgggtgtg 60
gtggatttcc tagtaggggc cgcatcaag ccaacatcta tagtgagtta caaccatttg 120
ggaaacaatg atggcatgaa tctctcagcc cctcaaacct tccgctcgaa ggaaatttcc 180
aagagcaatg ttgttgacga tatgggtcaac agcaacgcca tcctctatga gcctggtgaa 240
catccggacc atgtgg 256

<210> 27490

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700943129H1

<400> 27490

ctagtagggg ccggcatcaa gccaacatct atagtgagtt acaaccattt gggaacaat 60
gatggcatga atctctcagc ccctcaaacc ttccgctcga aggaaatttc caagagcaat 120
gttgttgacg atatggtcaa cagcaacgcc atcctctatg agcctggatga acatccggac 180
catgtgggtg tcattaagta tgtaccttac gttggggaca gcaagagggc catggatgag 240
tactctt 247

<210> 27491
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943110H1

<400> 27491

ttggacttgg tccttcttgc tgagcttagc actcgaatcg agtttaaagc tgaaaatgag 60
 ggaaagtcc actcattcca cccagttgcg accatcctca gttacctgac caaggcccct 120
 ctggttccac cgagtacgcc agtggttaat gcactgtcaa agcagcgagc tatgctggaa 180
 aacatctaag ggcttgtggt ggattagctc ctgagaacaa catgatcctg gagtacaagt 240
 gaagttcaaa 250

<210> 27492
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942857H1

<400> 27492

gttcactca ttccaccag ttgcgaccat cctcagttac ctgaccaagg cccctctggt 60
 tccaccgagt acgccagtgg ttaatgcact gtcaaagcag cgagctatgc tggaaaacat 120
 cctaagggtc tgtgttggat tagctcctga gaacaacatg atcctggagt acaagtgaag 180
 ttcaaagtct taagagtaat ggtttgggat actgtagttg aatgagatca aaacttaact 240
 catatcccat accctct 257

<210> 27493
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944212H1

<400> 27493

gaggcaggag tggctcttgt ctgaactcag tggaaagcgc cctctctttg gccatgacct 60
 tcccaaaca gaagaaatca ccgatgtttt ggaaacattc cgtgtcattt cagagcttcc 120

ctcagacaac ttcggtgcct acatcatatc aatggcaaca tccccatctg atgtgcttgc 180
 tgttgagctt ttacaacgtg aatgccatgt gaagcagcca ctaaggggtg tgccactgtt 240
 tgaaaagctt gctg 254

<210> 27494
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944850H1
 <400> 27494

ctcaccttga agattcaagt gcatggaatt cgagtatacc tcaccctaag ctcaatgaaa 60
 gaattctgtc ttctctgtca cggagaactg ttgctgctca cccctggcac gatttagaga 120
 ttggggcagg agctccagct gttttcaact gtgtggttga aattggcaaa ggcagtaagg 180
 ttaagtatga gctggacaag acaagtggac ttataaaggt tgatcgtatt ctttactcat 240
 cagttgtcta cccacacaac tatggt 266

<210> 27495
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942540H1
 <400> 27495

ggaaacatgt tgctgctcac ccgtggcatg atcttgagat aggacctgaa gtcctaaaga 60
 tcttcaactg tgtggttgaa attgggaaag gaagtaaggt gaaatatgaa cttgacaaaa 120
 gaactggtct tattatgggt gatcgtatcc ttactcatc gggtgtgtat cctcacaact 180
 atgggtttat cccacgtact atttgtgagg acggtgatcc catggatgtc ttggttatca 240

<210> 27496
 <211> 237
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943367H1
 <400> 27496

ctcaacgcc a tctccagctg cttccttata agaagcgctt cgccccagag attctcgctt 60
 cctctccttc aatccttctt ccaacgctat taattacaaa attaacctct ccgcttcctt 120
 ccgatccatt cactccctcc ctcttaaaac ctccttgagg atcaaagctt cccaaacaga 180
 tgggaatgga agtcctgcaa agaggacagt gttcatgat ctttatgaga aagaagg 237

<210> 27497
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941130H1
 <400> 27497

gtcaggatgg ccctccaaag gtgactcatc tgaatctgat gcaactgttg ataattgctaa 60
 cacttacaac agtaacttga tcagacacgt cctgaacaat acggggactc ctaaactatcc 120
 tgggaattgca gtttagtacat atatttatga gctttataat gaagacttaa gatcagggtcc 180
 agtctcagaa aagaactggg ggctatttta tgctaattgga gaaccagtgt ataccttaca 240
 cttgactggg gctggtatt 259

<210> 27498
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943566H1
 <400> 27498

gtcgtctctt ggggtaaaacg tatatcgatt ttctatttca tggacaagga ttctaccaag 60
 agggatatat ggggacataa atccaaatgg gataatgttc tacaacaaga ttatagacaa 120
 tctgtcgctt agaggatgaag taacaatgtc aatgtccact tggttctcta taatgctact 180
 ttgtcttgac catagtcaca tatataattc gctcaactta gtggagaacc gtgaattaat 240
 ttgcgtgtac caattcacgg tt 262

<210> 27499
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941195H1

<400> 27499

gggagtttgt cattcttcca cttcccatgc caccctagag aagaaatgta taggaaagcc 60
 aagatgcacg gtcactgtat caaacagtaa ctttggggcaa gacccttgtc ctaatgtgtt 120
 gaagcggtta tcagttgaag ctgtttgcgc tcccaactaa ttggagaggc tgaatgatta 180
 aggaagcacc cttttacgtg tagtgtgaag tgacttaaca agcacacgaa agaacaataa 240
 tagtataggt a 251

<210> 27500

<211> 172

<212> DNA

<213> Glycine max

<223> Clone ID: 700943819H1

<400> 27500

ggtgcagcaa atcatgcaac gcacactata gtcttttcac agctctatat aaatggaagc 60
 aatcaagggg tgcattgcat tattgcccaa atcagggatt cagatggaaa catatgtcca 120
 aacatccgaa tagctgattg tggtcacaaa attgggttta atggagtga ta 172

<210> 27501

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700943683H1

<400> 27501

ctataacaca gctaacaggg atggctatga accagttgca cagatgtttg ctcggaactc 60
 gtgcaaaatt atattacccg gcatggacct ttcggatgca aaccaaccag aggaaaacca 120
 ttcaagccct gagttgctac ttgcacaagt tatggcagct tgcaaaaagt atgaggtgaa 180
 ggtttcaggt caaaattcct ctgagtcctgg tgttccaggt ggttttgaac aaataaagaa 240
 gaatctatct ggagataatg tattgg 266

<210> 27502

<211> 265

<212> DNA
 <213> Glycine max

<223> Clone ID: 700943811H1

<400> 27502

cgcaattttc atttttctct ctcccttagt caaagggatt catcgttctt cttcccaggt 60
 tatttagaaa agcaaaatgg tgaagatttg ctgcattggg gctggatatg tgggggggtcc 120
 tactatggca gtcattgcac ttaagtcccc atccattgaa gtcgctgttg ttgatatctc 180
 taaatcccg c attgcagcct ggaacagcga ccagcttcct atctatgaac ctggccttga 240
 tgggtgttg aagcaatgcc gtggc 265

<210> 27503
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943550H1

<400> 27503

taggcattgg ctcagagtcg gcatcattcc ttatcagtgc tttcacaacc ttcttgatgc 60
 ttccctgtat aggcgtagcc atgaagctca tggatgtttc aggcagaagg cagttgttac 120
 ttactacaat ccccgctgtg attgggtcac tcattatttt ggtcattgga agcctggtaa 180
 attttgcaa tgcgcccac gcagcaatct caacagtatg cgttgtgggt tatttctgct 240
 gctttgtgat gggttatgga ccaat 265

<210> 27504
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942657H1

<400> 27504

ctcttggcag cctacgtcaa ttgtcaaaag gttggggctc cgcctgaagt ggtgggaagg 60
 ttagaagaag catgtgcac tgctgcagtg ataatggcag gtggaacagc cagcataggc 120
 gaggatccag cgctggatca gttcatggag gcttactgtg agatgctgat caagtacgag 180
 caagagctct ccaaaccctt caaggaagcc atgctctttc ttcagaggat cgagtgccag 240

ttcaaattctc tcactatttc ttcttctttg gacactac

278

<210> 27505
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700943842H1

<400> 27505

ctcaacccca aacagaagca agcttttagcc aggaggttaa atctccggcc tcgacaagtt 60
gaagtgtggt tccagaatcg gagagccaga acaaagctga agcaaacgga ggtggactgt 120
gagttcttaa agaaatgctg tgaacattg acggacgaaa acaggaggct aaagaaggag 180
ctgcaagagc tgaaggcact gaaactagct caacccttgt acatgcctat gcctgctgcc 240
acactcacca tgtgcccttc tt 262

<210> 27506
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700944041H1

<400> 27506

gttccagaac cgtagagctc ggtggaagaa caaacagctg gagaaggatt acgagactct 60
gcatgcaagt tttgagagtc tcaagtccaa ctatgactgt ctctcaagg agaaagacaa 120
gttaaaagct gaggtggcga gcctcactga gaaggtgctt gcaagaggga aacaagaggg 180
gcacatgaag caggctgaaa gtgaaagtga agaaacaaaa ggattattgc atttgcagga 240
acaggaacca cccagagg 259

<210> 27507
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700941253H1

<400> 27507

cgcatatgca gaacttgac ctgctttgtc tgatctgaat gttcttggtg agacctactt 60

tgctgacatc cctgctgagg cgtacaagac cctcacatct ctgaatggcg tcaactgcata 120
 tgggtttgat ttggtccgtg gaaccatac tcttgatttg atcaaggggtg gatttcccag 180
 tggaaaatac ctctttgctg gagtgggtga tggaaggaac atctgggcca atgaccttgc 240
 tgcttctctc actacat 257

<210> 27508
 <211> 121
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700940955H1
 <400> 27508

tgtggcaagt ggactagcca gaaggtgcat tgtgcaagtg tcttatgcc tgggtgtgcc 60
 cgagcctttg tctgtctttg ttgacaccta tggcacggg aagatccatg ataaggagat 120
 t 121

<210> 27509
 <211> 234
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891361H1
 <400> 27509

cgaggctgtt cagaaggctg ctgctgcatt gaagggttca gatcatcgcc gtgcaacaaa 60
 tgtcagtgcc agactggatt ctcaacaaaa gaagctcaac cttccaatcc tgccaaccac 120
 cactattgga tccttcctc agactgtaga actgaggagg gtacgccgtg aattcaaggc 180
 taacaagatc tccgaggaag agtatgtaaa gtcaattaag gaggaaattc gcaa 234

<210> 27510
 <211> 233
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893420H1
 <400> 27510

tggagaacca gagagaaatg atatgggtga gtacttcggt gagcaattgt caggctttgc 60

cttcactggt aatgggtggg tgcaatccta tggttcccg tgtgtgaagc caccaatcat 120
 ctatggtgat gtagccgccc aaagccaatg actgtcttct ggatcatctt ggctcagagc 180
 tttaccaagc gcccaatgaa gggaatgctt accggtcctg ttaccattct caa 233

<210> 27511
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890955H1

<400> 27511

aaacaacagg ataatgcaca gaagattgct gagttccttg cctcccatcc tcgagtgaag 60
 aaagtgaatt atgctggctt gcctggatcat cctggatctg atttacacta ttctcaggca 120
 aagggtgcag gatctgtgct tagcttcttg actggatcat tggaactttc aaagcatatt 180
 gttgaaacta ccaaatactt cagtataacc gtcagctttg ggagtgtgaa gtccc 235

<210> 27512
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889805H1

<400> 27512

gccatttggg agttaggctt tgcacgctct gcttccagcg agtgttcttt ctctgtttca 60
 acaccttaat ttgcacacgc tgcttcttca gcttgagaaa tggcacaaga aacctttcta 120
 ttcacactga atctgtaaac gagggtcacc ccgacaagct gtgacgaccag atctctgatg 180
 cagtgtctga tgcgtgcctt gaacaggacc ctgacagcaa ggttgctctg gaga 234

<210> 27513
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890067H1

<400> 27513

ccaagcccca ctcaaccacc acaccactct ctctgctctt ctctacctt tcaagttttt 60

aaagtattaa gatggcagag acattcctat ttacctcaga gtcagtgaac gagggacacc 120
 ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga cgcttgcctt gaacaggacc 180
 cagacagcaa ggttgccctgc gaaacatgca ccaagaccaa cttgggtcatg gtctt 235

<210> 27514
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700808455H1
 <400> 27514

ccaagcccca ctcaaccacc acaccactct ctctgctctt cttctacctt tcaagttttt 60
 aaagtattaa gatggcagag acattcctat ttacctcaga gtcagtgaac gagggacacc 120
 ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga cgcttgcctt gaacaggacc 180
 cagacagcaa ggttgccctgc gaaacatgca ccaagaccaa cttgggtcatg gtcttcggag 240
 agatcaccac caaggcc 257

<210> 27515
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894462H1
 <400> 27515

tctctctgtt ctcttctacc tctcaagttt ttgaagtata gagatggcag agacattcct 60
 atttacctca gagtcagtga acgagggaca ccctgacaag ctctgtgacc aaatctctga 120
 tgctgtcctc gacgcttgcc tcgaacagga cccagacagc aaggttgcc tgcgaaacatg 180
 caccaaaacc aacttggtca tgggtcttcgg agaaatcacg accaaggcca atgttgacta 240
 cgagaaga 248

<210> 27516
 <211> 232
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891612H1

<400> 27516

agtggacttg ccagaaggtg cattgtgcaa gtgtcttatg ccattggtgt gcctgagcct 60
ttgtctgtgt ttgttgacac ctatggcact gggaagatcc atgataagga gattctcaac 120
attgtgaagg aaaactttga tttcaggcct ggtatgatct ccatcaacct tgatctcaag 180
aggggtggaa ataacaggtt tttgaagact gctgcctatg gacactttgg aa 232

<210> 27517

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700943788H1

<400> 27517

aaaaaagaac agagagagaa gaatgaaatc tatctatctt cttatccgaa gtctgggagg 60
ccaataggaa gcacgccagc tgctacgaat ggtgaataaa agacaaaaga aacaaactgc 120
tacatagcat acagtctgtc ttctcttctc ttctccggtt atggcggtccg ccttgggcac 180
ttcttcaatt gcggttctgc cttegcgcta cttctcttct tcttcttcca ag 232

<210> 27518

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700945376H1

<400> 27518

ggcgaaactc gagagtgtaa ggttttgcat ttcatttgac gaagagtgag agagtcttat 60
ctgtcgtctc tgatctctga tcgcatcttc attccgaaaa tggctgtttc ggctatcact 120
ggagcgaggc taactctagg gatgtctctt tcctcttcca cgcgatcacg aacccatgca 180
atggccgtat ctatcgacct caagaccgat aacaaactca ctcttaccaa gtccgaggaa 240
gctttcgctg cggc 254

<210> 27519

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700893754H1

<400> 27519

tcggaattca gcgcgagggga tagcaatcct gctaaagtaa gcaatgaatt tgtggacaac 60
 cttattaaag atgggtgatac attgggtatc aaatatgaac aaatgacata tacgtcagag 120
 tacttccctg agttgatgga gatggctgaa aaattaattc gccagggtaa agcatatgtt 180
 gatgacacac cacgtgaaca aatgcaaaaa gagagattgg atggcataga ttctaaatgc 240
 agaaataa 248

<210> 27520

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700892403H1

<400> 27520

gcaagctaga tcccacagtg tatgggtgac aaactagtag aataaccaa gaacacttag 60
 agatcaacct tgggtggactc tctgtggaac aggactgag tggtaacaga ttgttcatat 120
 tagatcacca tgatgcattc atcgcatatc tgaggaagat caatgacctt cccactgcaa 180
 agtettatgc cacaaggacc atccttttct tgaaagatga tggcacctta aagccattgg 240
 ccatcga 247

<210> 27521

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894874H1

<400> 27521

cttcggcggg atgaagctgt tcttcccga cgtgctgaag tggatcggac gcgccgggggt 60
 gaagctccac gcgcgcctgg cggaggagat tcgctccgcc gtgagaggcg ccggcggggga 120
 gatcaccatg gcggcgatgg agaacatgcc gctgatgaag tcggtggtgt acgaggcggtt 180
 ccgcacgac ccgccggtgc cggtgcagtt cgggagggcg aagagggact tgatcatc 238

<210> 27522
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890131H1

<400> 27522

caaatgataa gaatgattcc gatcttggtt gctacatttg tgcctagtac aatgatggct 60
 cagataaata ccctttttgt gaagcaaggt actactcttg acagacacct cggaagcttc 120
 aaaattcccc cagcaagttt ggctgcattt gttactgtgt ccttgcttgt ttgcattgtg 180
 ctctatgac gcttctttgt gaagatcatg caaaggttta ccaagaacct cagaggcatt 240
 acccttcttc agaggatg 258

<210> 27523
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889069H1

<400> 27523

gttgagtagc cttttactcc tagagaaatt ttgtagctat agagaggaag ccaaagagac 60
 cttgattatc tttattataa taataatgga ccaggcgacc acgttcaaca aatatgcctt 120
 tgcttgtgct gcagttgctt caatggatc catcatatct ggctatgaca cgggtgttat 180
 gagtggagca atgatattca tcaaggatga cattggaatc agtgacaccc aa 232

<210> 27524
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892523H1

<400> 27524

ggagagctct gctagagcca ggagtcaagc gtgcattaat tggttgagta ggacttcaaa 60
 tacttcaaca ggctgctggt ataaatgggt ttcttacta tgctccccag attcttgaga 120
 aagcaggagt aggggatctt ttatcaaatt tgggccttag ttcagcatct gcttcttttc 180
 ttgtaaatat cattacaaca ttctgtatgc ttccttgat agctattgcg ataagactca 240

tggatatttc tggca

255

<210> 27525
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700893019H1

<400> 27525

ttctcttggt cctgcttctt tctcggttct taaagagga aagagtgggtg tgtctctcaa 60
ggactccacc ttgttcgggtc tttcattttc agaacctatc aaagctaact tcagctcttc 120
tgcattgagg ttcaagaggg aattcgaaca aaagctctgt gctgtgaggg ccgaaacagt 180
ggctacagcc tctccagcag ttaccaagtc tacaccagaa gggaagataa cattgaggaa 240
gggcagtgtt gtgataa 257

<210> 27526
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700888819H1

<400> 27526

ggctgcttct cttgttcctg cttctttctc ggttcttaaa gagggaaaga gtggtgtgtc 60
tctcaaggac tccacctgtg tcggtctttc attttcagaa cctatcaaag ctaacttcag 120
ctcttctgca ttgaggtgca agaggggaatt cgaacaaaag ctctgtgctg tgagggccga 180
aacagtggct acagcctctc cagcagttac caagtctaca ccagaaggga agaaaacatt 240
gag 243

<210> 27527
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700892106H1

<400> 27527

ctagtacata cattccccta accaagtttt aagtttttct caacagaatg gaagcaacca 60

acagaagctc ttctccact tectcttct ctgattgtg ctcttccgag tccaaccca 120
 acaagcccga cagaatcaaa ggcccatgga ggcgcgaaga ggatcggatc ctgaccggac 180
 tcgtcgaacg atacggccca cgaaattggt ccctcatcag ccgctacatt aagggaaggt 240
 ccggcaagtc at 252

<210> 27528
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943237H1

<400> 27528
 ctatcttctt tcgggttcac ttgaccgaga gtaagagact aatccctcga gatactgata 60
 ctgaaaccta tcgttcttca catcataacc atgcgttcca gcaacggtgc atcaagcagc 120
 agagcctcca atgctaacac agggcgccac cctgtgtacc gtggagttagg gcgtaggagt 180
 agtggcaaat tggtttctga aatccgagga cccaataaac ctaacaggat ttggttaggg 240
 aatttgccac acctgaaatg gc 262

<210> 27529
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944604H1

<400> 27529
 cctctgtctc ctctcaatc ttcattgtcc tgatctttcc cttggtgaca aaccaagact 60
 aacacacaca gaacatagct tgtgttggtg aggtgagaag ataaagaaag aatggcattt 120
 gcaggaacaa cacagaagtg tatggcctgt gacaaaaccg tttatctggt tgataagttg 180
 accgcggata accgagtttt ccacaaagct tgcttcagat gccatcactg caaaggaccc 240
 ctcaagct 248

<210> 27530
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944587H1

<400> 27530

gaaaaagtgt tggaagagag aaggaaggcc ttccaagcac tcaagactga agagagaaag 60
gtggacacta aagagtttga atccatgcag gccttatcaa gcaagaaaga taatcatgac 120
atattcatta aactgggatc tgataaagat aagcgaaaag aggcttttga gaaggaagaa 180
aaatccaaga agtccgtgag catcactgag tttctgaagc ctgctgaggg ggaagcatac 240
tata 244

<210> 27531

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700893088H1

<400> 27531

aagatatcca tggctgagtc cgacaacgag tcaggaggtc acacggggaa cgcgagcggg 60
agcaacgagt tgtccggttg caggagagcaa gacaggttcc tccaatagc aaacgtgagc 120
aggatcatga agaaggcggtt gccggcgaac gcgaagatat cgaaggaggc gaaggagacg 180
gtgcaggagt gcgtgtcgga gttcatcagc ttcataacag gagaggcttc cgataagtgc 240
cagaagg 247

<210> 27532

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700890768H1

<400> 27532

tgcgttctgg tcgtttggat cgtaaaattg agtttccaca cccaagtga gaagcaagag 60
ctcaaattct acagattcat tcaaggaaga tgaatgttca ccagatgtc aactttgaag 120
aacttgcccg gtccacagat gatttcaatg gcgcacaact gaaggctgtc tgtgttgagg 180
ctggcatgtt ggctctacgc cgtgatgcaa ctgagggtgaa ccacgaggat tttaatgaag 240
g 241

<210> 27533
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943357H1

<400> 27533

attacctcca ccccgatctc aaacgaggga agctcacacc ccaagaagaa cacctcgtca 60
 tggaccttca ttccaaatgg ggaaataggt ttgagaacca tgcagaaata attaaactat 120
 aagctacctc ccttccaatc atcatcactc ataattttta ttaatttttt cctaccatac 180
 agtactatta gtattaatta gttctttgtc ttatgttttt gttttttaat a 231

<210> 27534
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942619H1

<400> 27534

gttgttacca tttgtcccca gtacagagct taaccgagct tcacaaagat gaatcgggaa 60
 aagttgatga agatggccgg ttcggttaga actgggggaa agggtagcat gagaagaaag 120
 aagaaggctg tccacaagac aacaaccaca gatgacaaaa ggcttcagag caccctgaag 180
 agaatagggg tgaatgccat cccggctatt gaggagggtca atatctttta ggatgacgta 240
 gttatccagt ttctaaatcc caaagttcaa gcatccattg ctgc 284

<210> 27535
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945055H1

<400> 27535

gctgcaagca atcctaattc ctattctcct atccttttac ataactctaa agttagagaa 60
 aatagagcaa tttcacaaca caactcttat aattgtgagt taagtatggg aaggccccct 120
 tgctgtgaga aagctcacac aacaaagggtg tctggactaa agaagaagat gacagactca 180

tatcttatat tcgagctcac ggagaaggct gctggcggttc actccccaaa gccgccggcc 240
 ttctccggtg cggcaagagc tgccgtctcc ggtg 274

<210> 27536
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944006H1

<400> 27536

gggaagtcct tatcttatag tatcggttag ctcttcatt tcgcaatccg ttccaaacca 60
 cataagcttc aacaaagatg gatgtagaaa agttgaagaa gatggccagt tctgttcgaa 120
 ctggtgggaa ggggtactatg agaaggaaga agaaagctgt ccacaagact actactacag 180
 atgacaaaag gcttcaaagc accctgaaga ggataggagt gaatgctatc cctgcaattg 240
 aagaagtcaa catctttaag gatga 265

<210> 27537
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942949H1

<400> 27537

gaaagaattg ggggaatgga gaacaaccag caacaaggcg ctcaagcca atcgggaccg 60
 taccgccggcg gcgcggtgga agtgcaggtg caggtgcagg tgcaggcgcg gccccgttcc 120
 agcacctgct ccagcagcag cagcagcagc tgcagatgtt ctggtcgtac cagcggcaag 180
 agatcgagca cgtgaacgac ttcaagaacc accagctccc tttggcccg c atcaagaaga 240
 tcatgaaggc cgacgaggac gtccgcat 268

<210> 27538
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944946H1

<400> 27538

ctctgctctc ctcttgcttt tgatagagaa gaaagaagcg agaagatgtc agacgctgtc 60
 tgcagcgact gcaagaggca gacggaggtg gtgtttgacc actctgccgg cgacacggtg 120
 tgctcggagt gcggcctcgt actggagtcc cactctatcg acgagacctc tgagtggcgt 180
 accttcgcca acgagtccgg tgacaacgat cccaatcgtg tcggcggggcc ctccaacccc 240
 ctcttcaccg a 251

<210> 27539
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941440H1

<400> 27539
 atttggggga ggtgagtgat tctgtttggg aggacttgct gaaccaagac ttggttgctg 60
 gggaccctga agaggaagtt gtgattgggtg atttttcaca agttgatgtt cctgtggagg 120
 atttgattgc ggatgctgat gagtggagtg aggatttgca gaaccttggtg gatcacatgg 180
 gttatcttgg gtccaaaccg tagtggggaag gaaggatttt cattatctag ggggttcaga 240
 taaaactttc cc 252

<210> 27540
 <211> 134
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942877H1

<400> 27540
 gaaagaacac accaacaag gagcttggac caaagaagaa gacgaacgcc tcatcaacta 60
 catcaagctc catggtgaag gctgttggag atccctcccc aaagctgctg gcttgctcag 120
 atgtggcaga gttg 134

<210> 27541
 <211> 189
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944108H1

<400> 27541

ctcaacactt acggattcag gaaagttgtg cctgatcggt gggagttctc gaacgattat 60
 ttccgccgag gcgagaagcg gcttctttgc gaaattcagc ggcggaagat ctcatcgccg 120
 gcgccgtctc cgactgcgcc gacgacggtt acggtgccga tgccgttgac cgcgataccg 180
 atcatatcg 189

<210> 27542

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700944823H1

<400> 27542

gtgaaacgtg gaacatgagc caccatcaag tccatgctct tcctcctcaa ctagcagcaa 60
 cttttacagc aacaaacgtt attgatacta cgaattatct gccaccattg atagagaacg 120
 ttgaaaacat ggtgccaaat atggaagtac agtctttag tatagacgag gaaggagaaa 180
 tggcactaga gtgtttgcgg agacaagatt tgaatgagt ggtggagaat caacaacaat 240
 gtcccagctt tcttttctgg gacaatatta at 272

<210> 27543

<211> 243

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700944875H1

<400> 27543

gtggtaccgt tgggagccca gtgtctgcta acaaaccaaa cgtgagagat aatcaagtaa 60
 aaggggtcgc caccactaca agtggttcct cacgtgagcc atctgatgag gatgatgaag 120
 caggtccttg tgaacaaagc acaaacgcta ttgatatgaa ggccttaga aggaaggttt 180
 ctaatagaga gtctgcaagg aggtccagga gaaganaaca agcccatttg gctgacctgg 240
 agt 243

<210> 27544

<211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944913H1

<400> 27544

ctcgagccga atcgggtcga gacacctgaac tatatgaaga catcggtatc aagcctccta 60
 aggggggtcat tttatatgga cgaacctggt actgggaaga ccttgcttgc gaaggccgtg 120
 gcaaaactcaa catcagcaac attcttgccg gttgttggtg gtgaattgat aacaaagtac 180
 ttgggagatg gcccaaaact tgtgagagaa ctttcagagt tgccgatgat ctttctcctt 240
 ctattgtatt 250

<210> 27545
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894554H1

<400> 27545

agaaaacaga agaagagaaa ggacccaaat gcaccaaga gggcaatgtc tggtttcatg 60
 ttcttttcta aattggaaag agagaatcta aagaaaacta atcctggaat ttcatttacg 120
 gatgtgtcaa gagtacttgg agagaaatgg aaaaagttgt cagtgggaaga gaaggaacca 180
 tacgaggcaa aggcacgtga agataaaaaa cgttacaagg atgagattag tggtagaaga 240
 atccg 245

<210> 27546
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942660H1

<400> 27546

gttcaccaga agcaaccaca acaagcactt ctcttatttc ctatcacacc ctattacaga 60
 ttcacaagcg cagacacttc aaatgggtct ggaagctctt caatcaccca gaactgccac 120
 tccatcgttt agtccctttg aagaaaccaa cctcagttac ttggagacac cgtggaccaa 180

aggaaagcgt tctaagcgta gccgcatgga gcagcaactg caacactctt catgcaccga 240
ggaagagtag ctcgtctctt gtctcatcat gctcgt 277

<210> 27547
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700945128H1

<400> 27547

gggacaccta aaattgctaa accagaaaaa accggggaag agaaacctgc agcaaccaa 60
gtctcaagta tgtttggtgg aactagagat aaatgtgcgg gttgtcagaa aacagtgtat 120
cccactgaaa aggttaccgt gaatggaact ccttatcaca agagttgttt caaatgcact 180
catggagggt gtgttattag tccctccaac tacattgcac acgaaggcaa actctactgc 240
aagcaccac 249

<210> 27548
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700891618H1

<400> 27548

ctaaagagca gctgcagaca aacaagcctc ttttggggtt ggattagctg gtgagatcca 60
tggaagatat aggtccgaat tcatgcacaa ggccagtgcac agagaagaaa gcaagacccc 120
aagaacaatt gaattgtcca aggtgcagtt caaccaacac aaagttctgt tattacaaca 180
actacagcct cacacagcca agatacttct gcaagacttg tagaagggtat tggacaga 238

<210> 27549
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700944619H1

<400> 27549

ataccactgc tggtgtaatc cttctcaaag tggtattgga gtgggttaaac aaccgatgga 60

aggttcaaag cctcctcctc ctccgcctcc tcctatgttg gagagaaggg caaggcctca 120
 aaaggatcaa gctttgaact gcccaagggtg caattcaaca aacaccaaatt tctgctacta 180
 caacaactat agcctctctc agccaaggta cttttgcaag acatgtagaa ggtattggac 240
 tgagggtggt tctctcaga 259

<210> 27550
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944719H1
 <400> 27550

tgcttggttc aggtgcactc atggaggatg tgtaattagc ccatcaaatt atgttgccca 60
 tgaacatcgt ctttattgca ggcaccatca tactcagttg ttcaagcaga aaggtaactt 120
 cagccaactt gacagcaaga aaacgatgaa ggggtgacgg agaacagaat aactgagtaa 180
 tggctagcat tcaactttca agttacattg gcaatacaag ttcagttggt gactcatttt 240
 caggcatcaa attcccttgt 260

<210> 27551
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888570H1
 <400> 27551

cgaggagaag tccaagttat acaaagaagt ctccttgacg cacttggttct taatgaacaa 60
 cctgcattat atggctgaaa aggttaaggg gtctgaactc aggctcatatc atggagatga 120
 atggattcga aagtgcgaatt ggaagtttca gcagcatgca atgaaatatg agagagctag 180
 ttggagtccc attctcaact tgcttaagga tgagggaatt catgttccgg gtacaaattc 240
 ggtctcaaaa a 251

<210> 27552
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888837H1

<400> 27552

ctcgagtgga gggatgatgaa gatgaagatg actctgatga tatcgagaat gagttcaatt 60
atgccaaggg aaaagccaag gccaggcgcc agtgggaaga tgacgctgac ctgtcgctcg 120
cttctagacg cgaatctcaa cagccaattc cctcctcac caatggccaa acgatgtctg 180
gtgagattcc gtgtgccaca cctgatactc aatctgtgag aactacttca ggtcctttgg 240

<210> 27553

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700944678H1

<400> 27553

gagtttcagt ccatgctgga aggactcgac gaagaagggt gcgtggaaga accagggcac 60
cactctgaga agaaacgacg actaagcgtg gatcaggtga aggctttgga gaagaacttc 120
gaagtagaga acaaactcga acctgaccga aagttgaagc tggcacaaga acttggtctg 180
caaccaagac aagttgcggt ttggttccaa aaccgtcgtg ccagatggaa gacaaagcaa 240
ttggaaag 248

<210> 27554

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700891680H1

<400> 27554

cgagaacaga gacatgcagc agaggctccc acctccgaca tggctcaaca acgttaacgc 60
gcgtcaacag aatttcctcg acaccgagaa gagcgtggat cggaacaacc gaagcgagag 120
caattgcgaa tccgaggatt tgagggaata caaagcggac attctaggtc accctctcta 180
cgatcaactg ttgtcggcgc acgtctcgtg cctcagaatc gccacgccgg 230

<210> 27555

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700943207H1

<400> 27555

tggacctact gaagctgata agccaatcat aatagagctt gctggtgcag ccatggagga 60
gctcattgga atggcgcaaa tgggtgagcc tctttggttg actaccctgg atggcaccac 120
tggctcaacg atgatgagta catcaggtct tttcctcgag ggattggtcc tagaccggtt 180
ggctctcaagt gtgaagcttc tagggagact gctgggttga tcatgaacca tggtaacctt 240
gttgagatcc tcatggacgt gaatcaatgg tccac 275

<210> 27556

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700943363H1

<400> 27556

tcgagccgaa tcggctcgag tggagaaaac agtggtgggc tatcccaatg acgatgaacc 60
cttttgtaac ttcccatcat gcaacaaatc ctagtaatcc tagtaataat actaataata 120
atgaaaacac aaactgtctc ttcattccca actgcagtaa cagttctgga actccttcta 180
tcatgctcca caacaacaac actgatgatg ataacaacaa aaccagcact 230

<210> 27557

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700945149H1

<400> 27557

ccgtctcttg gcagcttacg tcaattgtca gaagggtggg gccccgcctg aagtgggtggc 60
aagggttagaa gaagcatgtg cttctgcagc gacaatggct ggtgggtgatg cagcagctgg 120
atcaactgca taggtgaagt tccacctttg gaccagtcac tgaggcttac tgtgagatgc 180
tcacaaagta tgagcaagaa ctctccaaac ccctaaagga agccatg 227

<210> 27558

0053113.032200

<211> 220
<212> DNA
<213> Glycine max

<223> Clone ID: 700893970H1

<400> 27558

gcaaatacag cggccatttt agcggtttga gaaaggaatt tctaaaacga agaaaaaagg 60
gtaagctacc aaaggatgca aggatagcac tcatggactg gtggaacacc catcatagat 120
ggccttatcc tacggaagag gagaaagtga agttgtcaga aattactgga ctggatcaaa 180
agcagatcaa taattgggtc atcaatcaga gaaaacgtca 220

<210> 27559
<211> 249
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700888137H1

<400> 27559

gnaattgttt ggnagtntgc tttagtctcc gcaattttct gnttgnttct tcactntttt 60
ttcctttgtc tctcctcaa tcttcattgt cctgttcttc ccctaggtga cacacacacg 120
cagagatcat agcttgtgtt agtgaggtta gaagataaag aaagaatggc atttgcagga 180
acaaccaga agtgtatggc ctgcgacaaa acggtttatc tggttgataa gttgaccgcg 240
gataaccga 249

<210> 27560
<211> 249
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700888138H1

<400> 27560

gtgatgaaat tgcttctcaa tataaggctg gtggatatat acctcagcna gatggagntg 60
gagatgctga ttctcaaatt tttgaaattg aagtntatgg agggggaatc tccattgatg 120
cannctacnc gacttctaata ggaaaaatgc cagcacattc agacaggcca gcttctcaga 180

0032220.032200

ttcctcaatt tgatggacca attccttacg atgatgatgt ggtttnnact ccaaatatgt 240
acaatatgg 249

<210> 27561
<211> 245
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700888167H1

<400> 27561

ctgaggaaga tcagggaaaa nctgtaggtt gagatggttc aatcaattgg acccaagaat 60
aaacagaagt cctttcacgg aggaagaaga agagcgtctt ctagcttctc accggattca 120
tggcaataga tgggcagtaa ttgcaagaca cttcccagga cgaactgata acgctgtcaa 180
gaatcattgg catgtgatga tggcaaggat tcggagagaa aggtctaaaa attatagtcc 240
aaaac 245

<210> 27562
<211> 245
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700888183H1

<400> 27562

cnaaagctct ttgttgggac ccgaatttgt tgaattttcg gaacccccat ctttcccaaa 60
ttttgagttg gctgcaatag ctacagacat tagtaacctt gcttggctta aaagtggatt 120
ggagagtagt agtgccaaaa tgatgggcaa cacctctgga agggtagtat ctaatggatc 180
tcaagtacat attggccatt aaaatgccaa atagatcatc atcctattct gagtgaggac 240
tggat 245

<210> 27563
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700888203H1

<400> 27563

gtccgaattg tgaaagtaag caaagatggc tttcacggaa tcgtctctcc tccttccttc 60

ggtttcagga accaacaaga acaagaacaa ggttccagaa gacaaatggg atttagccta 120

cattgtgtat tttacctggg tctcggttac cttctcccat ggaacgcttt catcaccgcc 180

gttgattact tctcctttct ctaccctgac gccagcgttg accgcacctt cgccgtgggt 240

tacatgatag tcgggc 256

<210> 27564

<211> 200

<212> DNA

<213> Glycine max

<223> Clone ID: 700888204H1

<400> 27564

cttcaaaact gggttcttga tcggcggtaa cattttcgtt gctgtttggt ttgatgagt 60

actgtttttt gttttgatgg taaaagtctg agattttcaa attcacaagc agccataggg 120

ttttagtcca tttccttgct gctgaggagg gatgtcttaa atttgcattt aatttataag 180

gaagttttgt taactgtaac 200

<210> 27565

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700888225H1

<400> 27565

cttgctactg agtttccaca ctgcatacct taggtcttcc gaattcgaag ttaatttgca 60

agatggctaa ggaaaaggct cagatcaaca ttgtggtggg tggtcacgtg gaccctgagg 120

aggcaaccac cattacgagc tgaagaagcc tggttgaggag aaagaagctc cagggcatgc 180

catatgaggg catgcacgta cggcctcgga ggggaaccag aaaattatgt taacaaaata 240

atctggaacc ctaatg 256

<210> 27566

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700888309H1

<400> 27566

cattgagcaa tcaaaaagaa tcttgggaga tcagggaggt catcgtcgtc atttctgcgc 60
tcaagattaa cataacgacc tcgcgacccc aggaacaggg tattgtgttg tgtagctgaa 120
ggacatggag agaagcaatc cggtgaggaa gccacacact tcaactgcag atctgcttac 180
gtggcctgaa actcccattt ctgattcccc agctcctcct tcctccgccg ttcgttctca 240
ccagccgtcg gatggg 256

<210> 27567

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700888324H1

<400> 27567

gatagatttg atttttgttt gataccattt ccttgaagtg aagcaattga taaatttatt 60
gcgattgaga atcggagaag agaagcaaaa taaaagggat gcgagtggcg cgagaagaag 120
caatgggtgg tggaaagcgg aacacggtgg agacattctt cttagccact ctaattctct 180
ggttcgcttc cctttgtttc cagattttgt tgaacaagcg ctgggagctt ctctctgtca 240
tcgcggttc tat 253

<210> 27568

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700888355H1

<400> 27568

ctttacgatg gtaactcttt gcaatattgg atatgtagat atcgcttcctg actccacggt 60
taccaagata ttacatgtg ctttcatttt ggtgggtttt ggatttcttg gttttctgct 120
caatggattg gttgcataca tttgtgatat acaagaggcc ttcttgttga gcatggtgga 180
tgagaataga tataagaaaa ttctcaggac ttatatggtt gatgaagaga aaggaagaat 240

gaggata

247

<210> 27569
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888380H1

<400> 27569

gcttcagctc ccagttcagc cttctttggg accagcttga agaaggttat tgcctcaagg 60
 gtccccaaca gcaaggtttc cgggtggaagc ttcaagattg ttgctgtaga agagaagaaa 120
 gagattgaag agaccagca gaccgacaag gacagatgga agggctcttg cttatgatatc 180
 tcagacgacc aacaagacat cacaagagga aagggtttgg ttgactccct tttccaagct 240
 ccacagga 248

<210> 27570
 <211> 146
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888381H1

<400> 27570

catatacaag ttctaattcc tgtcttttat ctaaattatt atagagcata ttttaatttca 60
 gtatatatat taaattgtaa gcattatttg gacatgattt gttttatgat ggcattttag 120
 agaaactgtt caatctttct ttttgt 146

<210> 27571
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888408H1

<400> 27571

ctccgctcca acacagggga aaatgagggg gatccttcac gtgcagggag ggcaatgcgg 60
 gaaccagatc ggttccaagt tctgggaagt ggtgtgagac gagcacggca tagatccgac 120
 ggggaagtac gtcggaaact cagatctgca actcgagcgc gtgaacgtct actacaatga 180

agcctcgtgc gggcgcttcg tgccacgcgc ggtgctgatg gacctggagc ccggaaccat 240
 ggacagcgtg cggac 255

<210> 27572
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888436H1
 <400> 27572

aatggattca cttgcaaaga agcatccaag gtaaatgcct cagatttctt ctcaaacata 60
 ctagccaaac caggagccac caacaacaca tttggctcct tgggtgactgg agccaacgtt 120
 cagaaagtcc caggactcaa cacacttgggt gtctctctgt caagaattga ctatgccccca 180
 ggtggcatca accccctca caccaccca cgtgccacag agcttgtgtt tgtccttgaa 240
 ggcca 245

<210> 27573
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888440H1
 <400> 27573

ttggaaacca aaaagttcgt agcttttcat agagctttca agtaattagc cccgtgaaat 60
 atttttcttt ttacgcaaga tgacaccacg ggccttctaa ctgaaacaag caataataat 120
 aacaggccaa ggaaaaactc agcagcattc tgttagaagg aaaacactta tctctattag 180
 catatttgtc tccattaatc tcttacttca gtcctctatc aggaaattcc taccaaacaa 240
 aattcattt 249

<210> 27574
 <211> 147
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888449H1
 <400> 27574

gccgatcaga aacatcgccg tcggaaggcc tgaagaggcg actcaccgac acacgttgaa 60
 ggcggttttg gctgagttca tctcaacctt catcttcgtg ttcgccggct caggctccgg 120
 catcgcttac aacaagctca cggacaa 147

<210> 27575
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888484H1
 <400> 27575

ccatatcttc caaagcaccg gttctgaaag ttctcttgcc tcataagttt ttatagagat 60
 gtcaagtaaa tttcacagca tatcgctcatt gggagaatat gcaaatttgg ttggaggagt 120
 agtctgttgt aatgaaaaat ataaggccac atgagctgac atggctgtaa gcttgacgtg 180
 ttccattcct tctttaaggc ttgagctaca aatgcaattc agaattctcat gcattaat 238

<210> 27576
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888489H1
 <400> 27576

ctcaacaatg gatcatggca gagaaaactc aaaggtaccc tttggagAAC aagaacaata 60
 cactttttcca tattttttcct acccttcttt cagcctcttc actccaaata atcacaccct 120
 tttaagcaca ttctgccccA tgttttctac catggaattc aatgatctga acaattccaa 180
 ttgcttcaca ccaaataaag actcatctgg ctattgtgat gttcttgggg agcattctag 240
 tgc 243

<210> 27577
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888502H1
 <400> 27577

ccacaactcc cggctattca aagaactgct ccagggcgaa cttcaccttc ttgcaagcc 60
 cctgctccac aggttggttaa tcgacctggt agtgggtctc aagcttcac tcccccaaa 120
 acatccagcg cgattagttc attggattct ggagaaattg atgcagcttc agattccgat 180
 aaattgaagg gtgcattggt tgggaaggga aggggagctc cacagggtag tggaaggggc 240
 tcttttgttt atggtggag 259

<210> 27578
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888506H1
 <400> 27578

tttcattcta agcaggtatc tcttagagtt ccagcatgta actatgttgt aagcaccatt 60
 gcctatgagt tgaatgttct ccgtgcaaga gggccaagga gaatgcactg caccatgaac 120
 tccatatctg tctcagctgt tcaggaaggg ggcaatgctc caactcctac atcttttcct 180
 caaatcattg acgagccttt ttctccctca ccagcactga aaggaaaagg tccaattaga 240
 gatctagaca atgcaagcct c 261

<210> 27579
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888508H1
 <400> 27579

ctccgctcca acacagggga aaatgaggga gatccttcac gtgcagggag ggcaatgcgg 60
 gaaccagatc ggttccaagt tctgggaagt ggtgtgcgac gagcacggca tagatccgac 120
 ggggaagtac gtcggaaact cagatctgca actcgagcgc gtgaacgtct actacaatga 180
 agcctcgtgc gggcgcttcg tgccacgcgc ggtgctgatg gacctggagc ccggaaccat 240
 ggacagcgtg cggaccgggc c 261

<210> 27580
 <211> 258
 <212> DNA

002220 "CTT" 550

<213> Glycine max

<223> Clone ID: 700888517H1

<400> 27580

cccaacacaa atcttagccg ccattgattt ttctcttcc atttctctta ctttctcagc 60
ctttttcgat taccatttg gttatttcgc cctaattggc cttgctccat ccaaagtctc 120
caccttttct ggtttttctc ccaaaccag tgttgggggt gctcagaaaa acccaacttg 180
ctctgtttct ctgagctttt tgaatgagaa acttgaagc agaaacctta gggtttgtgc 240
ctcaacggtg cctctcac 258

<210> 27581

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700888521H1

<400> 27581

cagggttcct ccgtcgggtg tgatttcggg gagtacaagc ctcttcattc cgctgttgac 60
gccaaagtctc aggccatttg cgaaggcctg gctgagctgc agaaacaggg gaagaccgag 120
aagcctccga ggaagtgcg ttcctaaactc gcggagaagg ttgtttccga caaggagaac 180
aacaactctt gtaagggtga agctgcgtcc tggtcgctcg aaggttcttc gccgctttcg 240
gatctgacgt ttgctgac 258

<210> 27582

<211> 124

<212> DNA

<213> Glycine max

<223> Clone ID: 700888535H1

<400> 27582

ttattttact taattcgtgt gtgcttctca ctttctcttc ctctctcca ttctattttg 60
tttcttctat cctcatatgt aattttttta catgatcaat taaacgtgat aaaaaattat 120
tctt 124

<210> 27583

<211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700888538H1

 <400> 27583

 cgaatacgat gaatgcaagt ccgtaggtg ccaagaagca tacttcaaac ggcgagatta 60
 ggcaggcgcg gcttcaagaa tttcttagat caagtgcac agtaagacta atgttaaaag 120
 cttcaactgt gaagctatct tcgtatcgag catggccaaa tatgcatgac agtcgggttg 180
 cgctttacaa gttgccattg cgggttccca aagatgacca agaatatgct ggtttatggg 240
 gaggaacttt tggttg 256

<210> 27584
 <211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700888546H1

 <400> 27584

 ggaatctttc caaactaaaa atgctgaaca tgtatttaac acagttatga catatttgcc 60
 tcaagatttt cgaggaacac taattagaca acaacgggaa cgctcagaga ggaataagca 120
 agcagaggtt gacactttgg taaattctgg tggtagcata cacgaccggt atgctttgct 180
 gtggaaacag caaatggaca ggagaaggca attagctcag cttggttctg caacaggagt 240
 ctataaaaca cttgtg 256

<210> 27585
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700888549H1

 <400> 27585

 gggacagatt atatcagaat ggaccgccct gcattctgctc gggcccctcg atacttacat 60
 ggacatacaa aaaactttcc aacattacca ccacatattt ttaagaaagg tgccattttg 120
 aagcatgcaa agccaaaact agatagtagg tttattttgg atgttaatgt gatagatggg 180

acaatgatgg ctccatctac tgcatttaca aagatctggc ggatgcgcaa taatggcact 240
 atagtctggc aca 253

<210> 27586
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888558H1

<400> 27586

cacaaggcag aaagcaagct catcctagag ttttaaaaat ggagcagacc tcctccatgg 60
 ctctctcttc cccatccttg gctggcaagg ccgtgaagct gggcccatca gccccgaag 120
 tcgggagggg cagcatgagg aagaccgtca ccaagcaggc ctctccgga agcccatgg 180
 acggcccaga ccgctcaag tacttggggc cattctctgg cgagccccg tcctacctca 240
 ctggcgagtt ccca 254

<210> 27587
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888568H1

<400> 27587

caatggcctc cattttcaag ctctcaacgc catctccagc tgcttcctta tcagaagcgc 60
 ttcgccccag agattctcgc ttcctctcct tcaatccttc ttccaacgct attaattaca 120
 aaattaacct ctccgcttcc ctccgatcca ttcactccct ccctcttaaa acctccttgc 180
 ggatcaaagt ctcccaaaca gatgggaatg gaagtcctgc aaagaggaca gtgcttcatg 240
 atctttatga 250

<210> 27588
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888575H1

<400> 27588

gactcatgct tggtactatt ttcttttgac ctttcgtctc gaggatgaga tgtttggtga 60
 ggttatgctg cctgggagct tggtcatgt atcctcgggt gcagttgtgg ttaaggttgt 120
 cggagggtggg aacgggaaga ctctcactgt gtaccatgtg agcgctgtt atccatgctc 180
 ttgtgaaatc tgggtgatga aagagtatgg tgtggtggag tcttgaata aggtcttttc 240
 ttttagtat 249

<210> 27589
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888582H1
 <400> 27589

cactcttggc cgtaaattgg gacagggcca atttggcacc acttatttat gcaccgagaa 60
 ttctacctcc attgaatatg cctgcaaadc catctccaaa aggaagttga tttccaagga 120
 ggacgtcgag gacgttagga gggaaattca gataatgcat catttagctg gtcacaagaa 180
 cattgtcacc atcaagggtg cttatgagga tctctctat gttcatattg tcatggagct 240
 ttgttc 246

<210> 27590
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888584H1
 <400> 27590

gtggaatggt caccaaacia gagattgatg aaattgtgga gattggctat ctgaatggcc 60
 tctttgtgct ggcacgtcc attggtctga ttgggcacac ctttgaccaa aagcgattga 120
 agcaaccact ttaccgtcac ccattggagg atgttctcta cacaagtga gaaagttttg 180
 tgcgactgta agaactttgg catgcttcaa attagcaatc ttttgggaaa tcatgcacat 240
 ctgaaatat 249

<210> 27591
 <211> 248
 <212> DNA

<213> Glycine max

<223> Clone ID: 700888587H1

<400> 27591

cggcaacgaa aggctcttgg tgtacgagta tatgcctcaa gggacattaa cgcaacacct . 60
gtttgattgg ggtgaaaatg gctgtgctcc tttgacttgg aaacaaagag tagcaatagc 120
tttgatgta gctcggggag tggaatactt gcacagcttg gctcagcaaa gcttcattca 180
cagggactta aagccctcaa acatattgtt gggatgatgac atgagagcca aggttgcaga 240
ttttggtt 248

<210> 27592

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700888590H1

<400> 27592

ggatcctttg aatgattcag ttgttctga tggctttaa gagtatattc aaccgatgct 60
taagcagcaa ctacgtaatg ctaggctgta gttaattttg tggcaatgat gcttttggca 120
tctaagaaat ttaccagac tattctgatt tacaactctt aataaagttg tgtttgccag 180
ctagtaatta ccatcgcaat taggtgtatc tggaactgga actggaacaa actcatttat 240
ttattaca 248

<210> 27593

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700888591H1

<400> 27593

gttgagggtg acatgttcgt gtccattcct agtgctgatg ctatttacat gaagtggatt 60
ctgcatgact ggagcgacga gcaactgcatc aagatcttga agaactgcag gaaggcaata 120
ccagagaaga caggaaaagt cataatcgtg gatcacgttc ttcgaccga aggcaacgaa 180
ctcttcacag acgttggcat cgcattcgac atgatgcttc tcgctcacia cgccggtggc 240

aaagagag

248

<210> 27594
<211> 179
<212> DNA
<213> Glycine max

<223> Clone ID: 700888638H1

<400> 27594

ctctgtaatt tcgattcagt accttaaaga tttcgtcaat tctcaaactct acgacgatga 60
gaagtgggcc ttcaatgcga aattgctgcy tgctgctgga gtgtttgcag gatcaatatt 120
acttatgcga aactatggtg accttatggc aatttgaaag tagaacagca aattgtctg 179

<210> 27595
<211> 168
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700888658H1

<400> 27595

ggcattacac aactgcaca gcanttgnac ntcactttcn nttgctcgct taattncgctc 60
aaatgtgcat ttggacattn cantanatgg gcagcgagtt cngaaggctt ccccnacnaa 120
gcaatttggg tttcaagccc cnannganan cngngtcaat gccggctc 168

<210> 27596
<211> 235
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700888743H1

<400> 27596

gttaccattt gctcccagca ctgagcttaa ccgagcttca caaagatgaa tcgggaaaaa 60
ttgatgaaga tggcctttcg gttagaactg ggggaaaggg cacctnagaa gaaagaagaa 120
ggctgttcac aagacaacaa ccacnnatga caaaaggctt cagagcacc tgaannaata 180
ggggtgaatn ccatcccggc tncgtaggag gtcaatntct ttaaggatnn cgtag 235

<210> 27597
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888822H1

<400> 27597

cagtaccatg tttcttggtc ggcttggtac tcctgcttct ggtgatgatt ctgctgaaaa 60
 ggggcatttt ttgtttatcc aagggtgctag tgtggccatg ggtttatata ttcttgctac 120
 aactctactt gacaacttta tccacataag ggacagtgtt tcatatgctt tgttggtgtg 180
 gatgattctt cttctcttgg ctccacttgt tatccctata aagatgacac tgtgtcccag 240

<210> 27598
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888826H1

<400> 27598

agaagcttgc aaattttgat agggaaacgta tcccagaacg tgttgtccat gccaggggag 60
 ctagtgcaaa gggtttcttt gaggtcacc atgacatttc tcacctgaca tgtgcagatt 120
 tccttcgagc ccctggagtt cagacgcctg taattgttcg tttctcaact gtcattcatg 180
 agcgtggtag ccctgaaacc ttgagggacc ctgaggttt tgccgtgaag ttttaca 237

<210> 27599
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888828H1

<400> 27599

gcagaagtcg caaccaacc aaccatggca gcttctgatc ccgacaagtt gatgggtcaaa 60
 gctgataaac taacaagact cagtctcacg aggtggagtg cggattggaa aagtgctact 120
 gttctttatg agcaggcagc taatgggttt agagttgccca aggactatga gaatgctaaa 180
 atagcatatg agaaagcttc gaaaggacaa gaaatgcttt cttcaccttg ggatgcggct 240

<210> 27600
 <211> 240
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700888838H1

 <400> 27600

 cctttttgct tttttcttct tctcactaac tcagacaact accatggcct caaaatccag 60
 acccaatcta tctgaaaatt ccaacaaagg atcaattgca actcctagag tcagtaaaac 120
 tagcaaaacta gcatccaagc cagaatctga gtcaccatca cctttgcaaa attcacggct 180
 ttctgtggaa cgatcaccac gatctgtgaa ttcaaagccc actgttgagc ggaaatcacc 240

<210> 27601
 <211> 238
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700888839H1

 <400> 27601

 caagttcaaa cttgaatttg attcatctga tctaaccaat gaaatcaaaa tcgggattcg 60
 attgcagttg caggctctctc tatttggtgc ttattactta ttattaagggt ttctttcttc 120
 tgttgaaatg gtcttttagta attatagttc tgccaatgaa tctcattggt taattctgat 180
 tatacctttc ccgaaatgca attagcgtca aatgggtgaca aggaagaatg ttcagaaa 238

<210> 27602
 <211> 238
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700888840H1

 <400> 27602

 ggaatcgggt ttcctcaga agcaattgct ggttattgat caaacgggtg atcaaacaac 60
 tcttgtttat agttcaagggt ttgggggtcc cgttgattg catgtgtcct gggattcaaa 120
 gctgcatggt tctatcaatt tgaacaatgg gaatgaattg cttaatTTaa ggagagatgt 180
 gaatcatgtg gttggacttg gacctacttt ggatgataaa gttcatgaaa atacagga 238

<210> 27603
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700888841H1

<400> 27603

attcttcctt ccaagaaacc acttcaaacc atcaacttcc ttagacttgc acaccctttg 60
tgctgttact agtaattctca tcctcttgct atcattcaga ttgatttctc tcctagcacc 120
tcgatcaaag ggctaaaagt ttaaactttg ctgcttaaac ttttctttca cggtttgata 180
catcttattg atttttagtgc tatttcaaag gggcgaaatt tgagacatgg gcttgag 237

<210> 27604
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700888843H1

<400> 27604

gatctctctg attgaggtgg tgggcatcac cacttttggc acctacattg aagctgccag 60
tggtgaaaac tttgccggtg gttcccaaaa agactacgga atgttctccc ccaagattgg 120
gcaactctca acggtgcctc cgaagcaaag aactccggag gccctagcca aggcaataga 180
agtgatggaa actctggacc aagcagcatt cagaggtgga ttcactctgg aaaaa 235

<210> 27605
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700888846H1

<400> 27605

tctgattcca ggaatatgct gaacttatgc acgaatttat gacagcagtc aagcaaactt 60
atggggaaaa agttctaatt cagtttgaag actttgcaaa ccacaatgct tttgatctgc 120
ttgagaaata tagatctaca catctgggtct ttaatgatga tattcagga acagcatccg 180
tggttcttgc tggacttggt gcagctctga agttgggttg gggtaactta gctgatcaca 240

ga

242

<210> 27606
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700888848H1

<400> 27606

gaactggggc agtaactatt cgggtggctg gagttttgaa agactgggta cttatcactc 60
tttcaactgt cttatttcct gaatcaaaga ttaccgggct taatgttatt ggctatgcta 120
ttgctttaag tgggtgttgtt ttttacaact accttaaggt cagggatggt cgcacatctc 180
aacttcaaag tatccaagat gaatcagcaa aggagctgca gacggagaag aaagcagatg 240
atgccatg 248

<210> 27607
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700888852H1

<400> 27607

gacacaattg acaatgtgaa ggcaaagatc caagacaagg agggatatccc accagaccaa 60
cagaggctca tttttgctgg caaacagctt gaagatggcc gaaccttggc tgattacaac 120
atccaaaaag aatctaccct ccacttggtg ctccgtctgc gcggtgggtat gcaaattctt 180
gtgaagaccc ttactgggaa gaccattact ttggaggtag agagctcaga cacaattga 239

<210> 27608
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700888853H1

<400> 27608

tgctcattta cacacctctc caacctttca ctttcagctt tatttgaatc cctctctctc 60
ctttccaaat ggccagcggt gaggttgac atcaaacacc aacaacagtt ccagaaaatg 120

aaacaaccga ggtaatcaag acccaggaaa caaccccgga accagtacca gccactgagg 180
ctcctgcaac agaacaagca gcagctgagg ttctgtctca agaagaacaa caagcaac 238

<210> 27609
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700888855H1

<400> 27609

ggaaggttgg accataggac tcacgatttt tgcaaaaact gcaataacta atggaatgag 60
tccatttgtg ttcattgttt ataccaatgc tctggccact ataatactgt tcccttgttt 120
ctttttacca caccaagagg acagaaagga gaggccatct tttactttct ctttgttcat 180
gcggttcttg ttctcgggtt ttatagggat gacgatgact caggcctttt tattcc 236

<210> 27610
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700888858H1

<400> 27610

agataaagaa gcatcttcat ctgtttcaaa tggttcttca gcttttagact ccttcccaag 60
acagtctatt aaaggcagca gatctttcaa tgaccggcag acgcaattgt ccaagcctaa 120
gcacccttca aagtctgatg cagcatcttc tgaagtatca gtggagaaga caaaacaaaa 180
atcattgaga aaaggacca ttgataaagt tcaaggagaa ggagaatctt cttt 234

<210> 27611
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700888860H1

<400> 27611

gccgcatccg cctcaagctc atcggcgcgc gaaatccctt cccggcagag atcgaggccc 60
cgcttctgcg acggaagctt gccggaaacc gcgccaaggt gggcgtgaag gtagccggag 120

cgtttctggtt cgggctgagc tcggcgatcg ggtacttgct gatggtgtcg gtgatgtcct 180
tcaacgggtgg ggtgtttgtg gccgtcgtcg tgggtcttgc tgttggttac ttcttc 236

<210> 27612
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700888862H1

<400> 27612

caaggacatc agaagtacga caaattaaga cagggcctaa gagaaagtgt thtagatagg 60
atacagagag aaagagaaat ggattctcat tgggttcgaa tgggtgcttct cattgcttgc 120
attcttccag ctttggttga atgcagagtg aggcactaca aatttcatgt ggtgtctaaa 180
caaaccaata gattgtgttc aagcaaactt attgtcacca ttaatgggaa gttcccagga 240
cc 242

<210> 27613
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700888867H1

<400> 27613

agttattacg cacatcgatt ctagctctcg ttctctccaa tttcctcaaa ccctaatttc 60
ctcaatcctg gttttggaat tcgacgatgg agcagaagag gagcagtagc aagatgtaca 120
acctgtttgt gaagcacttg gacgggaaaa ccctaaccct cctattcccc tctccgatcc 180
tctacgcgag ttccatcagg gatcgctctt tccaactcac cggaatcccc gcccacca 238

<210> 27614
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700888868H1

<400> 27614

attcctcatc aaagcctgct gttttgggta acaaaagagg gttctcagat gtcatgagtg 60

gattcgccga ggagaaattg cttgttagtt ctgaggtaa cacaatattg tcaccaaggc 120
 cttcttctaa tgtggcattg aaaccaagct ctatgcttga gaatgttggg gctcagcaat 180
 ccaaagccaa agaactcgca acagcgaagg ttggtcttga gaggtctcat gttttc 236

<210> 27615
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888869H1
 <400> 27615

ctccgggaaa tgcaggattg cccttcgtag gagagacact tcagttcatg gctgccatca 60
 acagcagcaa aggagtctat gagtttgtcc atgctcgccg cctccggtat ggaaaatgct 120
 tcaaggcgaa gttgtttggg gagacgcacg tttttatatac gagcagggag tcagcaaaag 180
 tgattgtaaa caaggagaac gagggaggga aattctcaaa gagctacata aaatca 236

<210> 27616
 <211> 235
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888870H1
 <400> 27616

ttttcagtga ccaagcctca tttgttggtg gacaaagcct atttgtgtga gcatttggca 60
 gcaccagaaa gaggaaaatg gtggctagtg aagagatata tgggtggggaa gaactttctc 120
 ttgtccaacc agaccctatg gggttgcaga ttgatcgttt gcacaaccaa ctcacagaaa 180
 aggtcaagga actagcaaat tgccagagtg aaatcaaggc cttaagggca actga 235

<210> 27617
 <211> 232
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888873H1
 <400> 27617

ctggacgagt aagtaggttg taagctagaa actcggcgtc tcggtactcc aacgaagcca 60

aggataagta ttagtatttc gcgggataaa aagaagaatg aaaacctaca gatataaatg 120
 gcggagtgca atcctcactt ctccgacgac acgccctcac ctgcttcttc cgtcgactcc 180
 ccatccccgc cgccgacttt caacggcatc gtcattgtgt cgcagccgga ca 232

<210> 27618
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888880H1

<400> 27618

attcattctc atctttctct cttctctctc caccctaaacc ctaactcccg accctgttcc 60
 cctctcgtat ccgtcatgaa aggaggaaaag tccaagaccg aatctaagag agccgatccc 120
 aaacttgctg tgaataagaa gggagccgcc accaaggcta ggaaaccgcg cggcaagggg 180
 aaggcagcga aagaccctaa caagccaaag aggcctccaa gtgctttctt cgttttcatg 240
 gagga 245

<210> 27619
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888888H1

<400> 27619

agaagattgc acttagtcgt cgtgttgaga agcattggcg tcttattggg tggggacaaa 60
 tccaagctgg aatcactctt gatgtccctc ccgccccca actgagttga aactgataa 120
 gagacagatc acaagaaaca ccagcagcta taaaaacctg agacgaattt agatgtggga 180
 agggagacaa gtgttgggaa ccatttttgt gaggtggaga agaaaacgtt ttg 233

<210> 27620
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888890H1

<400> 27620

aacaaacctg acacagagac agcgtgaatt aattgaagag ttgccaagg aaggacaaga 60
 ggaatgtgat aaacggagag ctgcttcggc ttctggttga aaacttttgc agaatctcct 120
 ctatttgttt attgtcaagt catatgctca actaggtggg aaccacttg ttagaagttt 180
 tgtaggagca ttaaagtttt tttttcttt gcccatcca catatagtgt a 231

<210> 27621
 <211> 231
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888891H1
 <400> 27621

ggcaattctg caaaggtctt cagtgtacta tcatggagta ggtattcaaa atcaccccca 60
 tccaccaaag atggtgctga attttctggt cgtagtgaac catgcaagcc tggagctcat 120
 tgtgccacac ttaaaaaatt atatgcagca gagaagaaac ttttcaaggc attaaaggag 180
 gagggaattg ttgcattgga gtttgacagg aagtccatgt tattgcgtaa a 231

<210> 27622
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888895H1
 <400> 27622

caagaactag cagagcatat aattccattt ctctgtcac ttcacaaca gtgactgaac 60
 ctgttagcca aagtttcatt tgaaaatggt acttcctgc cctgcccata tactagttgg 120
 cctctcctta gaccagatg acagcaagga gcttctgtca tgggcaataa gagttctagc 180
 caatccaaat gacaccattg tggtgtgca tgttctgtt gctgcggata agaagaagcg 240
 tg 242

<210> 27623
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888912H1

<400> 27623

ggctgaggct tcagcacaag cttgtgtcag tattccttcc aatccctgga gttctctgca 60
 aaggggtttc agtgcataat aactccctgt aatgtgcact agtaaagacc aaagtatgat 120
 tattgttaca ttatgttaca tggttgtact tgtatatata tatcttgtcc cacctttgta 180
 aatacaattg ggacactact aggattggga agaagggtct ttacatttat agtttggcaa 240
 atagatattg caactacctt tgtat 265

<210> 27624

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700888919H1

<400> 27624

ccttttcagg cttatcattt gcttttggtt ggactttgct gaatggagag tgcaagaatc 60
 agccaatggt taaatcttct tgtttgtgta ctgctattgc tcaaggcaga aggatcttta 120
 gttccattga ttttggtcga gaatgcagaa tcaaaaggag ctgtttgttt ggatggaagt 180
 cccccagctt accactttga taagggattt ggggaaggta ttaatagctg gattgttcac 240
 attgagggag gaggatggtg caacaatatc 270

<210> 27625

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700888927H1

<400> 27625

agaactggac cctaggggtgc ttatacctca ttggacactg cttgtcgtgg tctgggtggc 60
 ttgtgttgca agcaccggtt ctcaagaagt acccggtcgc cctctctgtc acttcttaca 120
 cctgtttctt tggactcttg cagtttctcg tcattgcttt gtccttgaa agagacgcgc 180
 aggcatggct tttccactct ggtggagaag ctttcactat tttatacgcg ggagtgggtg 240
 catctggaat tgccttcgct gt 262

<210> 27626

<211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888934H1

<400> 27626

gagaagagaa gctaaagaaa gaaaggagat gggagtggag aagcagttgt tgaggtctgg 60
 caccggtccg aagccaattc ccggtcagaa cgtaaccgtt cactgcactg gtttcgggaa 120
 gaacggtgac ctttctcaga aattctggag gttacctacc tatatcattt ctcttccttt 180
 cctttccttt ccttctttat taattaactc tccttatctt acacttactt acagcacaaa 240
 ggatcctggc cagaacccat tcactttcaa aatc 274

<210> 27627
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888938H1

<400> 27627

tgcattctcaa tctgaaccaa gttacaagag ctacccaaaa cttctcagaa acattacaaa 60
 taggagaagg aggttttggg actgtctaca aggccaagtt ggaagatggc ctggttgtgg 120
 ctgtaaaacg tgcaaagaag gaacattttg atagtttgag aacagaattc agcagtgaaa 180
 ttgaactttt ggccaaaatt gatcatcgaa acctggtgaa gctactaggt tatattgaca 240
 aaggaaatga acgccttctt attacagag 269

<210> 27628
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888943H1

<400> 27628

attggtgtgc ctgagccttt gtctgtgttt gttgacacct atggcactgg gaagatctat 60
 gataaggaga ttctcaacat tgtgaaggaa aactttgatt tcaggcctgg tatgatctcc 120
 atcaaccttg atctcaagag ggggtggaaat aacaggtttt tgaagactgc tgcctatgga 180

cactttggaa gagaagaccc tgacttcaca tgggaagtgg tcaaaccctt caagtgggag 240
 aaggcctaag taattcattc 260

<210> 27629
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888947H1

<400> 27629

aaaaataatt aactctgatt tgaaaagaaa agatggtttg tgtcctttaa cacctgagga 60
 gactgccctt acacttaggg cccttgacat cggtaaagc attcaaattc acattgcagc 120
 tggggaaata tatgggtgggg acaagagaat ggcaagtctt gcgaagaact atccaaaatt 180
 ggtcagaaag gaaacactgt tggaaccatc tgatcttcag ttcttccaaa atcattcctc 240
 tcagatggcg gctttggatt a 261

<210> 27630
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888951H1

<400> 27630

gatgcaacga aatcattcat gaaccttaaa ctccagcttt tggaagaact agtttttgac 60
 gtgatatcaa ggtctctatg acgaagtggg ccagatcttt ctatccttgg ctcccccggt 120
 ctccctaagtt gaatttcaga catgtattct gagaaaatat ttattccccg gacaaagaaa 180
 aaccatcctg tcttttcacg ggcacaactg gtgcaggaaa gcatctgtgg caatgataag 240
 aaagcagtgt accagcatat tgtcaag 267

<210> 27631
 <211> 176
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888953H1

<400> 27631

gtcgtttttg gagcgatttg catggggttg taagtgtaaa tctttagaaa tagattccat 60
 atatgaaaac aatttgcgca aaacaaaatt atcctgtagt gtttgtttcc ccattttggt 120
 gaattctgag tccactttca tgaatatact tcttctaatac aaaatccttc aagccc 176

<210> 27632
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888957H1

<400> 27632

aacaaaacaa cagaacccaaa ctcagaacca aactcagaac caaactcgcc aaaactaggg 60
 ttttgcattg atggcactgt gcaaccggtg cagatcgga atctctctct tcaccaaatac 120
 cacgttcctt acttcccagc gatccagtct ccaacgatcc ctcgttgccc ctttcatttc 180
 cctcgcttcc agaaattacg ccaacgtgcc ggggcaaaag gaaaccaaag ttaagggtccc 240
 tctggctttg tttggagggt c 261

<210> 27633
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888959H1

<400> 27633

cattattgca catacaggac tggatttgaa gaaaacaagg aactgcccac tgtgctaaat 60
 acagtcttgg ctggaaggta ttatgtaaca gaatatcttg gttcagctgc cttcagtagg 120
 gttgttcagg cacatgatct tcagacagga atagatgttt gcttgaagat cattaaaaac 180
 gacaaagact tttttgatca aagcttagat gaaatcaagc ttctgaaact tgtcaataag 240
 catgacccag cagatcta 258

<210> 27634
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888961H1

<400> 27634

aacaagataa aagttaacat gaatgcttct aaggagaagg ctcttgatac aaatctgttg 60
cagccttctc aagcagttca aggacacacg ccaactaatt caatttctac agctacttct 120
gcaacgggct cacctaccac aattgatcta atctccgaaa gtgagtcact aaggaatcaa 180
tagttcataa agaataagag aatgacatag gtttgtgttt gtgttgaaaa ggtagagcag 240
tatatagttt cttgtaaaa 259

<210> 27635

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700888969H1

<400> 27635

cgttattctc ttattcatcc ttctcttctg aataatccag atctctttct gcccttttct 60
ccgtcacgct tttcgtgacc ggatctgtat ggatttgatc cagatctaca cgccgatggg 120
ggttttggcc gggcttttca tagatctggg gcgtagaggc tcagatctac ggtaccgagg 180
tacaacagag aatcgatgac aagaacgcag atccgacggg agatccagcc gattccgctt 240
gttcgatcgc tacagacccc tgt 263

<210> 27636

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700888974H1

<400> 27636

ttcctttcat tttccctcac tttctcgctc cccaaacgcc cctctctctc ctccaatggc 60
cgaccagctc accgacgacc agatcgccga gttcaaggag gccttcagcc tcttcgacaa 120
ggacggcgat gggtgcatta ctaccaagga acttgggact gttatgaggt cacttgggtca 180
aaaccaact gaggcagaac tgcaggatat gataaacgag gttgatgctg atggcaacgg 240
aaccatcgat ttcccag 257

<210> 27637

<211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888975H1

<400> 27637

cagctggagg gtggactgca tttagattta gagcagataa tccaggagtt tggttcatgc 60
 actgccactt ggagggtacac acaacatggg ggctaaagat ggcctttttg gtggacaatg 120
 gcaaagggtcc aaagcaatca gtgataccac cacctaaaga tcttcccaaa tgctaatacg 180
 tcaatcatca attaattatg caatacacia aagaaaggcc ttccaatgcc gaaacaaaag 240
 aagcttttga gggata 256

<210> 27638
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888977H1

<400> 27638

taaagatgat aagattgctt ccaagctgtc tgctgatgat aagaagaaaa ttgaggatgc 60
 aattgagcag gctatccaat ggctcgatgg aaaccaactt gctgaagctg acgaattcga 120
 ggacaagatg aaggagttgg agagcatttg taaccccatc atagcaaaga tgtaccaagg 180
 agctgggtgt gatgcgggtg gagccatgga tgaggatggt cctgctgctg gcagtggaag 240
 cggtgctgga ccaa 255

<210> 27639
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888979H1

<400> 27639

gcgaaacaag tccgtgtccc caacatggtc gtgttcttaa acaagcaaga ccaagtcgac 60
 gacgaagagc ttctccaact agtggagctc gaagtccgcg accttctgag ctctacgaa 120
 ttccccgggtg acgatacccc cattgtctcg ggctccgcgc tcttagccct agaagcactc 180

atggccaacc ctgcaatcaa acgcggcgac aacgagtggg tcgacaagat ttccaactc 240
atggacgagg tcgacaa 257

<210> 27640
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700888981H1

<400> 27640

cttgttcaat gactctcaac atgcaactac ctccgatgaa cagcgtgtca tgtcaaaggt 60
aaactcactc tactgccttc tgcagaagga tccttctaca gcagaagaca tgaccaaaaa 120
tggcaatagt ctgggagatg caaatgcctt gtcaagggtg aactcactat actcccttct 180
gcagaatgca gaagacgcaa tggccagaaa tggcaatggt ctgagagatg cagatgtgat 240
gtcaagggtg aactcgtgt actgtcttc 269

<210> 27641
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700888988H1

<400> 27641

aaatgtttca tgtttgtaa acattccgtg taaaacttca tattctatgc atataaactg 60
tggtggaaat cttgtaactg atggaaagaa gacatatgat gatgacacgg gtgagactac 120
tggaccagca agctttcata atgaccgtgg aaaaaactgg gcacttatca acaatgggtca 180
tttctttgat accgaccgct taaactacta taatgtgact aattcaacta agcttgtaat 240
ggagaatggt gaactgtaca 260

<210> 27642
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700888991H1

<400> 27642

gcggtcatt tggcgttgaa ggcgttggg aggaacaatg caattgatgg aacgtgtgga 60
 gttggaagg aagaacccca gcttattttc gcttctgcag aactgagga aattgttgat 120
 gcttaaacctt actttcaaata tagctagata tatagctttt cttttctttt ctttctgttt 180
 ggtccctact taattatgat ttttaattttg gaataaatga acaacatgtg aattatgaag 240
 g 241

<210> 27643
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888993H1
 <400> 27643

gcgagtatcc atttctaggt gccatcataa taactaataa cccaacctct cgagagtgtg 60
 ttatattatt actgataaat tggttggtggg ggtggcatag ttgcagttgg aaatcgaaag 120
 aagagaaaag aaattggata gtgattattt gggttcgta tcgttgaaac gttttctcaa 180
 atctggtgtg gtgaataaca tcacccctca cactcactca acctaaacaa aatgcagagc 240
 cagagaacca cgc 253

<210> 27644
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889001H1
 <400> 27644

tctatggagg atttgctgca gctttgagag atttgaatgt ttgggtcatg aatgtgggta 60
 caatagactc cccagatact cttcctatta tttatgaacg aggtcttttt ggtatatatc 120
 atgattggtg tgaatcattt agcacctatc ctaggaccta tgatctcctc catgctgac 180
 atttgttttc aaagcttaag aaaagggtgca atttggctgc ttagtgggct gaggctgac 240
 ggat 244

<210> 27645
 <211> 245
 <212> DNA

<213> Glycine max

<223> Clone ID: 700889002H1

<400> 27645

atggtcgcta tggagtagga gattgggtcat tccttaaata cggagagcac atggcaaata 60
 agagggacaa ggcgaagca ttccaggaag ttgcaataa tttcaggcct gttatgcatt 120
 attttttctt ggagagattt ttacagccag ctgagtgggt tgaaaagaga cttgcttata 180
 cccgaagtgt tgctgctagt tctatgggtg gttacattgt tggccttgga gatcgacatg 240
 caatg 245

<210> 27646

<211> 246

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700889004H1

<400> 27646

gttttctggt ttggaccatg gacttgggtt ttaccaaata aagaaaagga tgagcttttt 60
 tgggccttca aatcttgctt ggagaaggct caattttggt ggaaacctct cacacaagaa 120
 agcatagttt cttttgggtt cattctactt ggtgtttaga gatggtgaga ggaaagactc 180
 agctgaggcg catagagaac gccacnagca ggcaagtcac cttttcaaag cggcgtaatg 240
 ggttgc 246

<210> 27647

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700889007H1

<400> 27647

caatttaaga gatacagttt ctcgttccac agttcagggt tatcccaagt catggactgc 60
 aatttacatg cctttggata atgtgggaat gtggaatgtg aggtctgaga attgggttca 120
 tcagtatttg ggccagcaat tttatcttag agtgtattcc cctgcaaatt catggagaga 180
 tgagtacca attccaagca atgctattcg gtgtggcaag gctgtgggac actactaatg 240

cc

242

<210> 27648
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889009H1

<400> 27648

atttgcttct tcgagtttca cagccaagtc gtaaaagggg ttcaagggat ggaaaacatg 60

cagagcttct ggcaattggg tgatgaactc cgtgggcact caaaagcatc ggaggatcac 120

aagtgggttaa tggttgcctc gaaactggcc gaacagacaa gattgaaggg ggagcgtgtg 180

aacaaccttg atctttcaaa gggaccatt gaaacaaggc caagggataa atttgggttc 240

ca 242

<210> 27649
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889014H1

<400> 27649

gttaactaac tccgttccgt tccgttctgt tctgttccgt tacaatggcg gaaacctctg 60

ctgcactatg cttctccaca ttcagattct ctttcgctcc gtcccgttct cttccaaga 120

ccttcttcaa caacagctcc ttccatttcc ctctctcttc tagttctcac acgtgtcttc 180

tccatttcgc tcccaaagcc tccccctccg gcaacttctc cggcgacgat tctttcggtt 240

t 241

<210> 27650
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889035H1

<400> 27650

taacatcact cagtgatgat atatttgcct tagccaagaa ggaggaccat gtgccattca 60

gaaactcaaa gcttacatat ctgcttcagc cttgtctagg tggagactcc aagacactaa 120
 tgtttgtgaa catatcacct gatccttctt cagttggtga gtcactatgc tcactcaggt 180
 ttgcatcaag agtcaatgct tgtgagattg gaacacctcg gcgtcaaacc aatggacgt 239

<210> 27651
 <211> 235
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889038H1
 <400> 27651

cattccgtta ctatataggc agggccaatc cgacaccaat tttattcttc ctcacggaga 60
 actctggagg aatttgattg atggctgtaa actgtacttc ctcaattcga atcccaattc 120
 agaaatatgg atcatttctc aagtaccca aaaaaaatt gatgtccaaa cgcagctatg 180
 tccaatgaa aaaggcatcg gtactgagga tcacagcatc catcaagaac aaggt 235

<210> 27652
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889040H1
 <400> 27652

cacttctgga tgcagacctt gaaagtgata tcttgggttg gcaatatatc tcaggaggct 60
 taccagatgg ccatgagctt gagcgcttg acaatcctga gattcaagg gctaaatttg 120
 atccagaagg tgaatatgtg aggcaatggc tacctgagtt ggcaagaatg ccaactgagt 180
 ggatccatca tccttgggat gcaccactta ctgtgcttcg agcagcagga gttgag 236

<210> 27653
 <211> 237
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889042H1
 <400> 27653

gacagaatga tgctcacatt ctctgttttc ccatcccaa aggtctctga cacggttggtg 60

gagccttaca atgctacttt gtccgttcac caactagtgg agaatgcaga tgagtgcattg 120
gttcttgaca atgaagcact ctatgacatt tgcttcagga ccttaaaact caccactcct 180
agttttggtg atctgaacca cctgatttct gcgacaatga gtggagtgc atgttgc 237

<210> 27654
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700889050H1

<400> 27654

gcttcttcag ttagtagaat tggagggtccg ggagcttctt tccaagtacg agttccccgg 60
agacgatgtt ccgattatct ccggttccgc tttgctgtct ttggaagctt tgatggccaa 120
ccctgccatc aagcgcgggc aaaaccaatg ggttgataaa atttacgagc tcatggaagc 180
tgtggatgac tacattccca tccctcagcg ccaaactgaa cttccctttt tgct 234

<210> 27655
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 700889066H1

<400> 27655

atcaaaaggt aaaaaacaaa ttaaaagaaa aagggaaaag tatactacgc agaagaggtg 60
gttcaaagtt caatggctga gaagaaggaa atgattccgc aacaatttga catcgatgcc 120
aaatgggacg cctgcattga tctcaccgtc cgtcgcttcg tctactccgc aaccgccggt 180
gcatttggcg gtctcctatt tttcaggagt cctgtgactc gatgggcac tat 233

<210> 27656
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 700889074H1

<400> 27656

gtgaagagaa acggtggagc ttttcaaccg ttccaaagag aggaaaaaag tggatgatgca 60

aaggctagta ttaataatga tgcatacagca attggtaaag caccctcttc accaccagtg 120
 cctgctacaa gttctacagg accagtgaga gtagaaaaca aaaaagaaga gaaaggacaa 180
 gctcagagaa agcaacgcag gtgttggtca caggaattgc acaagagatt ctt 233

<210> 27657
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889087H1

<400> 27657

ccaagtatca aggcaacatt gatggggctt actttggaac tacatttcca cacctcttct 60
 tgatgactta tggacaactg aagccacaga aaccagcaca aggctatgtt ccaagagttt 120
 ttgggttcaa agttcacaag ccataaagct gaagttgaag ctttcatgaa agtaaaaatc 180
 tgcccgtgtc tcatttaact cttccttatg gttctctttg caacatccgg 230

<210> 27658
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889093H1

<400> 27658

caaaccggg gtttgtaaga cccccaacag tgatttcctt ctaaacaaca taggaatcaa 60
 taaaaaatca tgttctcctt taccaccacc accatttgtt cctaccatt tgagcaactc 120
 aaggagaatg ttggaaattc aagacaacga gaagattcct ctgcctccat gtccattaca 180
 acctcctcga agaagcacgt ccgagaagga aaagggcttt agatggc 227

<210> 27659
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889096H1

<400> 27659

gcatagggga ggaggagggt aaaagcaatg tcactttgtt ggtttcttca tcaaccacca 60

tggaaagtgt gtgtctcaag agcttagaat ttaaagagcg caactacatg ggattatctg 120
 attgttcttc tgtggacagc tcggttccgt ccttctctga agagactaaa agtaatctga 180
 acctgaaagc cactgaactc aggcctcggtc ttccaggatc acagtctcct 230

<210> 27660
 <211> 278
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889106H1
 <400> 27660

cagacacaga agtggtaggt ctcacgtctc atcataaggt cgaaaactcc attgaaacaa 60
 gtcttcacaa taattccaat ttgccagaag aaccaatggt gtcaacgaaa aaggaagcaa 120
 catgttatgc aacaaggcgt tacagaggtg tgaggagaag gccatggggg aagtttgagg 180
 cagagattcg cgaccccaaa aagaaaggga gcagggtgtg gcttggcaca ttgacactg 240
 agattgatgc tgctaaggct tatgattgtg ctgccttc 278

<210> 27661
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700889116H1
 <400> 27661

atgagagtgg gcatggaggg agtnagaaga gggaagggat gaaaaggagt gctgggggtg 60
 agattgcacc aactacaagg cactatagga gtgtctccat ggatagtctc attgggaagt 120
 tgaatttcgg tgacgagtcg ccgaagctgc ctccttcgcc ggggcagaga ggtgggttga 180
 tgctgcctgc ggggtgaatt gatgggaatt cggcggcctt cagcttggag ttggaagt 240
 gggagtttag tgggcctgaa ttgaagaaaa tatggccaa 279

<210> 27662
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889117H1

<400> 27662

ctttaagttg taagttagtg ttttatgcct cattgtgttt cgatcttatt tgaaagtagc 60
 ttttaaagca catcacgttg attagaagca tgtttcttga aaaggggata aataaactat 120
 gttttggtac ttgtgaaaat gttatcgtgt ttggtataga gctggtgcac tagtttactg 180
 gatcagcaga aatggtgaag ctcaagttcc tggtagctat cttcttgcac tcaagaaaag 240
 agtttagctga atgttttggg ggggctgaat tctgt 275

<210> 27663

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700889153H1

<400> 27663

gcagcgtgct tcattcaggc tgcgtggcgc cggttcaaga agagaatgct gacaaagagc 60
 cttagcttga gggaatgccca gtccttcaat cacgacgaac aagtcgggga tgaaatggaa 120
 catggggaag aagagcacag tgcagtgact tcaaactctg cacaagtgaac acagaacctt 180
 ggtgtcacta tacttgcttc aagatttgct gcaaacacaa ggagaggggt tcagaagatt 240
 aaggatgtag agttgccccaa gtttcaaaaag c 271

<210> 27664

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700889154H1

<400> 27664

ttggttgccc ctcttgggta aagcaatggt tggtgtgcat tgtgcaacac aattacctt 60
 gttctctccc ctgggatgga aatgtctcaa ctttattgtg gaggggtgtag gacattgcta 120
 atgtacacac gtggagctac aagtgtgaga tggtctgct gtcacactgt aaaccttggt 180
 ccaccagcat ctaatcaagt agctcatgtc cattgtggga actgccggac aacatcatgt 240
 atccttatgg a 251

<210> 27665
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889162H1

<400> 27665

cattcacagg ctcgacagca gttgggaaga aattgatggc tgggtcagct gaaacagtta 60
 aaaaagtatc tcttgaactc ggtggcaatg caccttgcac agtttttgat gatgctgacc 120
 tggatgttgc agtaaaagga actcttgcag caaagttccg taacagtgga caaacatgtg 180
 tttgtgcaaa tagaattatt gtgcaagaag gtatatatga gaagtttgca aatgctttac 240
 gtgatgctgt tcagaatatg aaagttgggg atg 273

<210> 27666
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889189H1

<400> 27666

ttagacatga agaacaagag ctttttgaag acccctgtta tatccctgat ccggtatcct 60
 tgcttggtcc tgtttctgag tcaactgata attttcaatt ggacttggga agtggccttg 120
 tgacagacac aaagatggca atgcctcact ctttaaaaag cacatctgcc ggttctgaca 180
 tcagcaaacc atctccaatt gagtccccat tgtcccgaga aaagaatagc tgttctaadc 240
 ggtttccaag tatctcccag gcc 263

<210> 27667
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889210H1

<400> 27667

ggtcgcaaca aacacggccg cgccacgtc aagttcattc gatgctccaa ctgcggcaaa 60
 tgctgcccta aggacaaggc tatcaagagg tttctggtga ggaacattgt tgaacaggct 120

gcagtcagag atgtgcagga ggcttgtgtc tacgaacaat acacgcttcc gaagctgtat 180
 gtgaagatgc agtattgtgt ttctgtgtct atccactctc atgttgtgag ggttcgatcc 240
 cg 242

<210> 27668
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889217H1
 <400> 27668

cgcggttca acctttagt tattctcttt cttctttttt agctatccct ctcttgaaaa 60
 atctagatct cgttcttctt tgatctacgt tacgctttta gtgaccggat ctgtatggat 120
 ctgaaccaga tctacacgcc gatggtggtt ttggcctggt ctttcataga tctgatgcat 180
 ggaggctcag atctactgta cagaggtgtg cgattcatgt tcgtctctct tttggaatct 240
 gtttcgtag 249

<210> 27669
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889221H1
 <400> 27669

gcagcatatt gtgtgaaagc tgatcgatgt gcttgggaga gcatctctaa tcactcttgt 60
 tctagccttc acaatacttg tcagcgcagt ctactaggt ggagttggca ttgtagcaat 120
 ggtcaaaaag attgaaaatc acgagtatat gggatttgat gacctctgca catatgattc 180
 atagcccatt tcactaaatt attttatgct ttgttttgtc tcaagttccc aataaaggag 240
 cca 243

<210> 27670
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700889233H1

<400> 27670

ctctactggt ctaccaattg accattctaa catggctgat ctttcaactc aaacttctgg 60
 cactttgacc agggattgga gcccaatgag tatatgtcct cctcatggaa ggggtgcatc 120
 ntcagangca aatgctttta atcacgaggc aagtcatttc cttattggaa gcagttctag 180
 taatgctcct gtagatgttg gaggttttca taatgaattt ggaatagtag aaatccta 238

<210> 27671

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700889239H1

<400> 27671

gaaagcttcg tttccgatta acaattcttt gaataataga gactttactt tctgaggttt 60
 taaccctttt aaggctttcc ctaacttgag gctgtgctca tttgctgaga gttttgctgc 120
 aaggacttga cacaaattgt gtaaattgtc gtggctttta ccaacctctc ttgggtgggtg 180
 tggagtggaa agcatcaaga gcccaagaatc ccaaatgggc cttctataaa ttcttcgg 238

<210> 27672

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700889283H1

<400> 27672

cccggattcc accgtttctg tttctgatca tcgcgctgct cagatccgaa tgatccaaga 60
 atctcttcgt tttgcctctc tgctttctga gaacccttct aaatggccca agagtatagt 120
 tgatgttggg tgtggcatag ggggcagctc cagatacctg gccaaagaaat ttggagcaac 180
 gagcgtaggc attactctga gtccgtgtca agctcaaaga gcaaattctc ttgctgctgc 240
 t 241

<210> 27673

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700889293H1

<400> 27673

ctctgatact gttgttttcc tgaaaccatc acaatttggt tctcaatcat gtcaacctca 60
tcctcttccc aaagcctcaa aattggcata gttggattcg gcaactttgg ccagtttctg 120
gccaaagacaa tgataaaaaca aggccacact ctcaacagcaa cttctcgatc tgattactct 180
gaactttgtc tccaaatggg catccatttt ttcagggatg tcagcgcatt ccttaccgca 240

<210> 27674

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700889392H1

<400> 27674

gaaggctgtc gagatgttca gtgggttacga actaaatgga agagtgttga ctgttaataa 60
ggctgctcca aaaggagcac agcctgaacg cccaccacgc ccaccacgtt cctttagttc 120
tggtttaaga gtctatgttg gcaacttgcc atgggaagtt gacgatgtc ggctggagca 180
aattttcagt gaacatggta aggttgagga tgctcgggtg gtctatgaca gagagactgg 240
tcgat 245

<210> 27675

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700889415H1

<400> 27675

tttcagctcc ggtaacctct ccttctccgc cgccgttgct atctccgccg tgaccttcca 60
tccctcaacg cccacagat cttcaatttg attgcttggg tcaacaattt ctgtcattct 120
caatcatggc aactagactt cagtttgaaa ataattgtga agttggagtc ttctctaaac 180
tcaccaatgc ttactgtttg gttgcgattg gaggttctga aagcttctac agtgtatttg 240
aa 242

<210> 27676
 <211> 113
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700889424H1

<400> 27676

cacctttctc ctaaaacatc tccagtgggg tcttnntctt gtattaacan ncaacggtcg 60
 ngccaaagac ccatgaanca atgggccaat gggccaacga ntccttgctt cct 113

<210> 27677
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889425H1

<400> 27677

gttcctgtgt cacaagtcca cattccctaa ggccttccca agaaaaccaa ctataatgtc 60
 ttccttggtg caatccgtgt ttcgttcacc caagaaatct aagcacgtg acacattgca 120
 aggactcagg agtccctcca atgtgcatga aactccgttc tttccttcgc cacttacccc 180
 ggtttgtgtg atgggtcacg gggcagagaa gatggaggct tcgaggcagg aggtagaaga 240
 tgca 244

<210> 27678
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889426H1

<400> 27678

gtgaattatc caaccctcat agaggaacgg tgtctggaat tctggttttc cctcacaac 60
 agtcagaaaa agaaatggat aataatttct ctgggcatat ctataagagg ccttcacatt 120
 ccggcccatt gggtcctggt tctgtctggg caaaaggcag gaaggaagtt gatgatgtac 180
 ctctgttttc aaacagagtg aacctatcaa aactatctgg gctagtggca tctaggactt 240
 tgc 243

<210> 27679
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700889428H1

<400> 27679

cgctcacgcc tcacacgttt tctgtctctt gtcactcta ctcagttccc ttcccaatcg 60
ccgctcacgcc atcaccgtcg ccactcacgg ggagactcgc cctcctcgac cgacgttccc 120
tccacatcct tcaacaaagt ttccggcgtc tggtcgagca tgtgaatcat aggaagagga 180
ggcgaatttg gtaatttggt gtgtgttcga aatgggtgaa atttggtggt cccttttggg 240
gg 242

<210> 27680
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700889430H1

<400> 27680

gggatctggt gggtttgcct tccatgaaca tcatgagaaa aagacccaga gcatgctcac 60
aggcacaaga tagaagagga gggtgcagca gcagctgcag tgggatctgg tgggtttgcc 120
ttccatgaac atcatgagaa aaaggaagca aaggagcaag atgaggaagc tcatggaaag 180
aagcaccacc atctcttttg ctgaagcata agcaaccaat tatgagcata ttcctttctac 240

<210> 27681
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700889441H1

<400> 27681

taatagaaaa gtcttccaaa gtagctttcc ccatccatct ttctttccaa cgttcacaaa 60
gaaaaagaga aaaaaaggaa gggtgctatt aaaatggaaa gcagccataa catgaggcaa 120
agcaccatgg aaactgagtt tgaggacttg ctgccagtga tggcagagaa gcttgatgtg 180

gagtcctttg tctctgaact gtgtggaggt ttcaagcttc tctcgaccc ggaaactggt 240
 ttgat 245

<210> 27682
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889443H1

<400> 27682

agaacatctc attgcagcat tccaatattt tgacaaggat ggtagtgggt acattacagt 60
 tgatgaactt caacaagctt gtgcagaaca aaacatgact gacgcttttc ttgaagacat 120
 cattagagaa gttgatcaag ataatgatgg aaggattgat tatggtgaat ttgctgccat 180
 gatgcaaaaa ggcaacgctg gaattggtag gagaactatg cgcaacagtc tgaatttaag 240
 c 241

<210> 27683
 <211> 157
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889455H1

<400> 27683

aggagatcgg gtgtatctgt aatgtgtatc atatgctgga ctgtttgggtc ttgtcaaaca 60
 atacagttgc aatttgctcc tcttttcttc cttaatttaa atatagaaaa atgttattaa 120
 cttggcctct cgtttaaaca attgacttga tcccccc 157

<210> 27684
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889457H1

<400> 27684

ctttttgtgc aaccaactct attattgctt gatgaaccca caaatcatct tgacctgagg 60
 gctgttctct gggttgaaga gtatttgtgc cggttgaaga aaactctggt gggtgtctca 120

catgataggg attttctcaa tacagtgtgt actgagatta ttcatctcca tgatttgaaa 180

cttcatttct atcgtggaaa ttttgatgat tttgagagcg ggtacgaaca gcgtcgtaa 239

<210> 27685

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700889467H1

<400> 27685

ctcgagctct gcgagatctt cattcgccga ttttaaaaga tgagtaagct tcagagtgat 60

gctttgctg aagccatttc aggaatcatg gccgattcca aggagaagaa tcgcaaattt 120

gtggagacca tcgaactcca aatcgggttg aaaaactacg atccacagaa ggacaagcgt 180

ttcagtggct ctgtcaagct gcccacatc cctcgcccca agatgaaaat ttgcatgctt 240

ggtga 245

<210> 27686

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700889471H1

<400> 27686

ggacacacag cacaaccaac acctccacag cctctcctac ctcccggagc catggccgcc 60

gccgactcct ccgccgtcc atcgcaccag ttgtcgcaga gggagacgga catccagatg 120

atgctcgccg ccgacgttca cctcggcacc aaaaactgcg actttcagat ggaacgctac 180

gtcttcaagc gcagaaccga tggatatttac ataattaacc ttggcaagac atgggagaag 240

ctcc 244

<210> 27687

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700889474H1

<400> 27687

gttatcgatc cctttgggga gataagaaaa tgtggcttgt gcagctctca accccatttc 60
 tgaacggcca tggccatggc tccagccttc tctggaaacc cagttcggcg gtgactcaga 120
 cccactgggc cccgccgagt ttgctgcctc aaatcaatgc gatgaagacg atgcaggga 180
 aagtgggtgtg ctccacgaac gacaagacgg tggcagtgga ggtgggtgcgg ctggccc 237

<210> 27688
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889479H1
 <400> 27688

ggaatttcag tcagcggctt cggaatttct cttaaccct ctttgcgtagg cttggcaaga 60
 ttactttgga gacatacatt tcccagtttc atatttggtt aaggtctaca tgccaaacgg 120
 acagcccaag tggcttcttt ctcttatccc ggagtatcct atgctcaact tcatgctaac 180
 aactgctata tacgtctttg tatctcatcg actttttgaa ttaacaaata cactca 236

<210> 27689
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889508H1
 <400> 27689

gcttatatct cttattagta ctattgtatg tagaattggt ttggggagaa ggtatgaaga 60
 ggagggatct gaaggtagca gattccataa gttgttcaat gagtgtgaag ctatgttggg 120
 taacttcttt gtttcagatt atattccttt catgggttgg attgataaac tcaggggact 180
 ggatgcacgt cttgaacgca atttcaagga gatggataag ttctaccaag aagccattga 240
 tgaacacatg aat 253

<210> 27690
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889515H1

<211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889595H1

<400> 27693

atcgagggtca tgggcctcat gcagggcaag accgacgccg acgccatcat cgtcatggac 60
 gccttcgccc tcccagtcga aggcaccgag actcgcgtca atgcccaggc cgatgcctac 120
 gagtacatgg tcgattattc ccagaccaac aaacaggctg ggcggttgga gaatgttggtg 180
 ggatgggtatc actctcatcc tggttacggg tgctggctgt cggggatcga tgtttcgacg 240
 cagatg 246

<210> 27694
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889601H1

<400> 27694

ctttcaagta tgcctgggtg ctggacaaac ttaaggctga gcgtgaaaga ggaatcacca 60
 ttgatattgc tttgtggaag tttgaaacaa caaagtatta ttgcacagtt attgatgcgc 120
 ctggacatag ggatttcatt aagaatatga ttactgggac atcccaagct gactgtgctg 180
 ttcttatcat tgattcgacc actgggtggtt ttgaagctgg tattttccaag gatggacaga 240
 ctctgaaca tgctctgctt 260

<210> 27695
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889620H1

<400> 27695

gagaaacctg cagcaaccaa agtctcaagt atgtttggtg gaactagaga taaatgtgcc 60
 ggttgtcaaa aaacagtgtg tcccactgaa aaggttactg tgaatggaac tccttatcac 120
 aagagttggt tcaaattgcac tcatggaggg tgtgttatta gtccctccaa ctacattgca 180

cacgagggca aactctactg caagcaccac cacgtccaac tgatcaagga gaagggtaat 240
 ttaagccaac ttg 253

<210> 27696
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889622H1

<400> 27696

ctgaccaagg cccctctggg tccaccgagt acgccagtgg ttaatgcact gtcaaagcag 60
 cgagctatgc tggaaaacat cctaagggct tgtgttgat tagctcctga gaacaacatg 120
 atcctggagt acaagtgaag ttcaaagtct taagagtaat ggtttgggat actgtagtgtg 180
 aatgagatca aaacttaact catatcccat accctctttt ctgttatata tttatggcaa 240
 atgtgaaat 249

<210> 27697
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889810H1

<400> 27697

ctctgccaaa tgtttatcat aaatgctggc cctggattta gggtgctatg gaacactgtc 60
 aagtctttcc ttgatcccaa gacaacttca aagattcatg tatgtagaaa tgctatattg 120
 tagcgcttaa ggctcttttc atgatggctt atggctgctg acattgcttg gtgcctctat 180
 ggaaatatta cttaggttct cggaacaag taccaaagca aattgtttga a 231

<210> 27698
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889811H1

<400> 27698

aaaagagaga gaaaaagatt ttgaatttta attgaacact taagattgca ggcagtgcg 60

tagtttccct gtaacgttgt gaactccgtt tctcatgctt ttttgteccct catcggtatct 120
 cgccctctttc tcttcccttc aagcaagggt cagtccattc ctgggtttac tttttttatt 180
 ttgtgatatc ttttggtgag gaggtggatt gagttaaagg atttagttaa gg 232

<210> 27699
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889825H1

<400> 27699

gttcaccgat ggccccacat cgatgcaact caaagccatc ctccactacg cgacctctca 60
 gattgtccct caacaatctc tttccgagat tacaataacc ttcgacgtgc tccaaagcct 120
 ccacgccccg ccaacttctc cgtgtttggg ctgggccgcg attctctcat gtggggcagc 180
 ctcaaccccc acggcaccac gctgttctc gaggaggacc ctaaattggtt 230

<210> 27700
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889831H1

<400> 27700

gtttgacgtt gttcacaatc actttctgcg cttcactcac tcccttcgtg cggttttctt 60
 tctttgtcga actcgtgcga aaatgcgtga gattcttcac atacagggag ggcaatgcgg 120
 aaccagatcg gagcgaagtt ctgggaggtg gtgtgcgcgg agacgggatc gattccacgg 180
 ggaggtacca gggggacaac gatttgcaac tcgagcgagt caacgtctat 230

<210> 27701
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889842H1

<400> 27701

cagagcttgt ggaattcccg ttgttgctga caccaatcga ttccaactac agagcttgca 60

ccattcctta cagattcccc tccgataacc ctcgcaagcc cactcccacc gaaatctctt 120
 ggttgatctc ttctcaact caatccccctc tttcaagaag cgtgcagaga gtgatacttc 180
 tgttcctgat gctgcagcta aagctgaaaa atttgctcaa agatatgc 228

<210> 27702
 <211> 227
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889844H1
 <400> 27702

gactagtctt ggatcgcggg cggccgcctt tttatagagg cgcggattgc tgtgttcttg 60
 tgtatgatgt gaatgtgatg aagtcgttcg atacccttga gaactggcat gaggagtctc 120
 caaacaggca aaccctcctg atcccagggc atttccattt attttacttg gaaacaagat 180
 cgatattgat ggtgggaata gtcgagtggg ttctgagaag aaagcaa 227

<210> 27703
 <211> 228
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889845H1
 <400> 27703

cagagtgggt tctttctttc cccaatttgt gagtgttact attgaatcga ttggattgac 60
 atggcgagcg cgatgggtga ggacgccaac ttcgaagatg accagctcgc caatatgacc 120
 ccgacgacgt cgtcagagct tctcgtcttc tcgacaacga gattcgcac ctaaagaag 180
 agttgcagag gaccaatttg gagttggaat cgtacaagga caagatca 228

<210> 27704
 <211> 235
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889849H1
 <400> 27704

ctgataaatt ctactcgat gactactaca aattaaccta cccttgat cctggtgcag 60

catactatgg ccgtggtgcc atcccacttt actggaacta caactatgga aaagctgggg 120
 aagctgaagg tggatctgtt gaaccatcca gaatacatag aacaaaatgc caccttagcc 180
 ttccaggctg cactctggca gtggatgaac ccaccagaga agcacctacc atcac 235

<210> 27705
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889857H1

<400> 27705

gagattacga atcagcgttg gagcatcttg tgcttgctag catggctatg attgcaaattg 60
 gtcaagataa tgaggttgcg tcaattgatg ttagcattgg gaacatttac atgtcacttt 120
 tcgatttgat gaggcgattt tctcttacca gaaggcacta actgtgttta agtctgccaa 180
 ggggtgagaac cacccttctg ttgcatctgt ttttgtgcgg ctggct 226

<210> 27706
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889860H1

<400> 27706

aacacgttgc atatggaagc ctgcttttat gaatggaact gattggccta gccctgctgc 60
 aaatttatct attgttgagc aacaaatcaa gaaaattcta gcggccacag gtgttgatgt 120
 octagcctcg ctatagatgg gaatgctcca gctacacttc ctttgccatt ggcggctctt 180
 ttgagtctca caataacata taaactggat aaatcttggt agcgct 226

<210> 27707
 <211> 225
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889871H1

<400> 27707

tgagttccaa gctagtgatc tgggtctgct tggtgaaaac acctcagtgg agcagcttgg 60

tttggttagg aaaattacca tctccaagga ttctaccact gtcattgctg atgctgcgca 120
aaggatgagt tgcaagccag ggttgctcag ttaaagaagg agctgtctca gacagactca 180
gtatatgata ctgagaaact ggctgagagg atagctaaac tgtct 225

<210> 27708
<211> 224
<212> DNA
<213> Glycine max
<223> Clone ID: 700889872H1
<400> 27708

tctgaacatg ggaaggaagg attttgagca tcaatacggg aatgatcctt ctgtgggatt 60
gtcaatgtct cattccatag cagacacttc atcatgtctc aattttggtg gcatcagaaa 120
gttaaagtta atcaagtcag agattctgac aactgcatgc ctgctgcac tatggggcac 180
tcctatagta gggaagataa tagtacaatt tcagtaggtg ctgg 224

<210> 27709
<211> 225
<212> DNA
<213> Glycine max
<223> Clone ID: 700889873H1
<400> 27709

gttgggtgct attcgttttc ttattttctt cttagcatac atgaatcaga atgcacagaa 60
tttttatctg gggatggatg tgaagagaat catggatggt gatagagttg ggaacactat 120
tgggtaatta aggaagatgg tgtagaagat agcaacgatt catcatccat tggattcaac 180
tcagaagatt ctatttgctc ttctttcttca tcagagttgg ccgag 225

<210> 27710
<211> 226
<212> DNA
<213> Glycine max
<223> Clone ID: 700889876H1
<400> 27710

ctcctctca atcttcattg tcctgttctt tcccttggtg acaaaccaag actaacacac 60

acagaacata gcttgtgttg gtgaggtgag aagataaaga aagaatggca tttgcaggac 120
 aacacagaag tgtatggcct gtgacaaaac cgtttatctg gttgataagt tgaccgcgga 180
 taaccgagtt ttccacaaag cttggcttca gatgccatca ctgcaa 226

<210> 27711
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889877H1

<400> 27711

aaaagaagat aaaggaaagg atggtgggaa ggaagtgaaa gagaagaaga aaaaagaaga 60
 caaagacaag aaggagaaga agaaaaaagt tactggaaag gacaagacca aggatcttac 120
 actctgaagc agaagcttga aaaaattaac ggaaaaatac aaccactcct tgaaaagaag 180
 gctgatatag aaaggcagat taaagaagtt gaagctgaag gtcattgt 227

<210> 27712
 <211> 223
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889889H1

<400> 27712

ggattgcact aaccatctac atgagtcttc gcatgtttgc tggcgtgtgg aggatgggaa 60
 caggaaactgg accttggcgt tttctcagag gccgctcaat gtcttgatga tgacattaac 120
 aaaagaaatt tcgttggtga gcagaaaaaa tgttttgtat cacttttcac catftaggat 180
 cagttgtaat ttcgttggtg agcagaaaaa atgttttgta tca 223

<210> 27713
 <211> 223
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889891H1

<400> 27713

cccgagtcg acctctggaa cttggttata ttttcogcca acagtgttga gaatcagaat 60

tcagaaccca tacatcttct atcccttatt tacatggctg tatcggcgcg tgccatgctt 120
gaaccaaagt gctgctccga atccaccttt cttcgcgctg agattctcac gcgcagtctc 180
cgccacacac tcttctctcc gttcggtagc gattggcttt aga 223

<210> 27714
<211> 222
<212> DNA
<213> Glycine max

<223> Clone ID: 700889892H1

<400> 27714

atggcataat tcaccttttg aaggttctgg ctttgcaaga ctgtttctcc ccacaaatct 60
ggataatcag gcctttttta cacaggattg gataacagag tgtatagagt tgtggaatct 120
ataccaaatt gccaatctcg gaacaatcaa tgggcagatg ttattgctcg tgttgtaaaa 180
aattaccaca atgttgactg ggagtgcctc ttgcctttgc tt 222

<210> 27715
<211> 227
<212> DNA
<213> Glycine max

<223> Clone ID: 700889896H1

<400> 27715

caaagagtgt tgtgttggtg attaagaaag agaggaaaaa tgccgctcaa gttggcgggg 60
ggagccactg tcggttcctt tctcctatgt gttgctatct ctctctttca catcgctggg 120
ccgaagatcc ctacaggctc ttcaactgga atgttactta tggtgacatt taccctcttg 180
gtgttcgcc aacgggaata ttgatcaacg ggcaattccc aggtcca 227

<210> 27716
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700889901H1

<400> 27716

aactgacaaa gttttctgag aaaataagga ttattattga gagaatggct ggctcatcgg 60

aagaggggaca agtcattagc tgccacaccg ttgaagaatg gaacgatcaa ctccagaagg 120
gcaacgaatc caagaaactc attgttgtgg attttactgc ttcttggtgt ggaccatgcc 180
gtttcattgc accattcttg gctgagctgg ctaagaagtt cacaagtgtc atattcctaa 240
ag 242

<210> 27717
<211> 235
<212> DNA
<213> Glycine max
<223> Clone ID: 700889912H1
<400> 27717

aaattgaaaa ccgctcaact tatctctcag ctataaaatc agaagttcaa agacaagggg 60
agttcatcag tttcttaatt aaggaggtag agtccacctc ttttgcagat gtttctgagg 120
tggaatcatt tgtcaaatgg ctagatgggg aactatcttc attggtggat gaaaggctcag 180
tgctaaaaca ttttctctca tggccagaac aaaaagtaga tgcactcagg gaagc 235

<210> 27718
<211> 236
<212> DNA
<213> Glycine max
<223> Clone ID: 700889914H1
<400> 27718

gagaaaaaca cagagacaga gacagagggt agtagttgag ttgagcgagt ggggggaagt 60
agcgaagaat gagtatgttg aaaggaggtg aaatgggtgg agaaggaggg agagaagggg 120
attgggagtg cagcagttgc aacaacagga actacgcctt cagatcattc tgcaacagat 180
gcaagcaacc ccgcctctc gtcgattcca aaacccccgc tgattccaag tggctc 236

<210> 27719
<211> 239
<212> DNA
<213> Glycine max
<223> Clone ID: 700889915H1
<400> 27719

aaaaaaaaga aaaagaaacg acgtcgtgat tattcccgga attaagtgtg gcgctacaac 60
 ggacacgatg atcaccactt tactttgccca ccaaaaccct tctcattcct ttcaaataaa 120
 aataacacac tcacagtgtt aatgcaatcg ccattaacgc caatgccgga tatcaccgtc 180
 gatttccgcg ctccacctcc ctctccggtg gcttccggcc ggagttccac cgtcaccaa 239

<210> 27720
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889916H1

<400> 27720

ctcaaagaac ttggggccaag atagtagtgt gagtgaattg gactcagtta cactaccagc 60
 caagtctggt agccttattg ggtctgggaa ttactttgtg gttgttggtc ttggaacacc 120
 caagagggac ttgtcactca tctttgacac tggcagtgat ctacttgga ctcagtgtga 180
 accatgtgct cgttcttget acaagcaaca agatgctatc tttgatccat caaagtcta 239

<210> 27721
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889923H1

<400> 27721

cgaatagatt atcctaagtc tttgggaata gtgctgcaat ggcttcaagt caggaggagg 60
 tgaccctttt gggagctact ggaagcccat ttgtgtgcag gggtcatatt gccctcaagt 120
 tgaagggagt tcaatacaaa tatgtcgaag aaaatttgag gaacaagagt gaactgcttc 180
 tcaaatecaa cccagttcac aagaagggtc cagtgtttat tcacaatgag a 231

<210> 27722
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889926H1

<400> 27722

attgggacgt gatcatgggtg gatgcaccca cgggtactt cgatgaggcg ccagggagga 60
 tgagtgcaat ctacactgct ggcttgattg cccggaacaa ggaacgcggc caaacccgatg 120
 tttttgtgca tgatgtggat aggaaagtgg aggacatggt ctctaaggct tttctctgtg 180
 aaggggtatth caaggagcaa gaagggagga tcaggcactt caacattcca 230

<210> 27723
 <211> 237
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889931H1
 <400> 27723

gcagcaacaa cttgcattgc aatctatcct ttctacatag ttgtcattgc tttgctgcat 60
 atccatcatt tcttcatagc atctggcttg gcagttgggtg tcttgctctt tttgggaaca 120
 agctttttcc agtttgggtg tctctatatt tgtaccatt ctttttgcca taagatggtt 180
 tccatcattc attcttgcatt ggtgttctat atcagttttg agaatgcaga gtcaatt 237

<210> 27724
 <211> 232
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889935H1
 <400> 27724

ctaaaacctc actgcaactc aaaacaggaa ccaacagttt cctttgcaat attttcttct 60
 ttctctcacc gccgcgcgaa tcttcttct tctgtgcttc attctctgct tctcttctact 120
 cgcattcttc cttctaccg ctatgtttct atcaaagttg gaattctagt tgattagttt 180
 tcttgactct agttggaaag atgggaagca catttaatcc acagattttg gt 232

<210> 27725
 <211> 229
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889940H1
 <400> 27725

cagagagaag ctatggttgc agctgaaaga cgacagggtg atgaaaaagt taaaaaatc 60
 attgaactga agaataaggt ttgttctggt aatgatagca attttgttgt cctcaatcaa 120
 aaaggaattg atcccccatc tctggacctg cttgcaaggg aaggaataat tgctcttcgg 180
 agagcaaaga ggagaaacat ggaaagattg gttttggcct gtggagggg 229

<210> 27726
 <211> 226
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889942H1
 <400> 27726

gccatatcaa cctcagaagg taaaggccta atccagagca atggacaagc acaagaactt 60
 cttgggaagt tatatggaag catagaagag tcaataaggt tgaacgacaa agttgaggaa 120
 actaaagacg ggtacaaaga agaaatactt aatactacaa gaaaagcaca aggtggagga 180
 agttcaggag gcacaggaag tagaggaaag acaggagctg gtggca 226

<210> 27727
 <211> 230
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889944H1
 <400> 27727

agttcgaatt ggtcaattgt ttcgttctaa gaatgatggg tcgatcacat cccgcagatt 60
 tgtttgctct aaagaggggt tccagcacc ttcaagagtt ggttgtgggg cttatttaag 120
 gattaagaga cagccatcgg gaaagtggat agtggaccgc ctccgaaaag atcataacca 180
 tgatctggac tctgaaaagg tgggcagggc aaaaagtctt cctgcttcta 230

<210> 27728
 <211> 232
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889952H1
 <400> 27728

gttttctgat taactctttc ttctcataac tctgccgcgc caacagcccc aaatccaatg 60
gcttcagaga agaaactttc gaacccaatg agggagataa aggtgcagaa gctcgtcctc 120
aatatctccg ttggcgagag tggagatcgt ctcaccagag ccgctaaggt tttggaacag 180
cttagtggcc aaaccctgt gttttccaaa gcaaggtaca cggttcgttc ct 232

<210> 27729
<211> 227
<212> DNA
<213> Glycine max
<223> Clone ID: 700889953H1
<400> 27729

gaagtggttc ctgactcaca cagtatcagt gacattgaac cagttcataa ggcaccatcc 60
acagaacccg ctgcggagga aacaccacca ctggaactag aaaaggaacc aagcaacaca 120
gatgagacta gtcctctgac agaatcagaa ggaggggtgc tgaaagaagc tcaagttttg 180
gaaacatgtg cccaagtgga agagaagcct gagcctgtgt ctacacc 227

<210> 27730
<211> 227
<212> DNA
<213> Glycine max
<223> Clone ID: 700889958H1
<400> 27730

aaaggatcca gtaaccggaa agatgaaagt tgctaaccg ttaagtagta gacttgtctg 60
ggaaacatgt ttgagtgaat ttaaaccct gggaaagatt gctgttaggc tcatttttct 120
gcatgcaact tcaagtgggt ttaagagtaa ctcgtctttc actaggaaag tttcagctaa 180
taaacactca agagttacct tggagagggc tcagaaaata atatata 227

<210> 27731
<211> 227
<212> DNA
<213> Glycine max
<223> Clone ID: 700889960H1
<400> 27731

ggctgcttta atcaaaacat ttcttctaata gtttactctt aggaagcagt gtttcttagg 60
tcttgatgt gcatatgcac cacttttggt agggagttgt tcattttgcc atgtttataa 120
atggatgttc tagactatga atcgttgcca tgttttagat attagattcg atgcatgtgg 180
aggtaggctt gaatatgatc tttaaagtat tacaaggat tatgcaa 227

<210> 27732
<211> 233
<212> DNA
<213> Glycine max
<223> Clone ID: 700889963H1
<400> 27732

caccctgac ttgaacctct taccgtgctc atcttctcaa tccataacaa cttcgccacc 60
gttgaccga aaccaatcgc cacaaactcg ggatctcaga ttcgacgctc caaaccatgt 120
cgaaggcgct tgtctacaca gatgtcaatg tccttcgccc taaagagtat tgggattacg 180
agtctctcac ccttcaatgg ggtgatcaag atgattatga ggttgctgca aaa 233

<210> 27733
<211> 231
<212> DNA
<213> Glycine max
<223> Clone ID: 700889965H1
<400> 27733

gtagatttgt tgacaaatat gatgtgacct ttgatgtttg tttatcttca gtgttctcac 60
aaaccaaagt cctcaatccc cagcaagtaa ctgaaacct agatgtatgt gtggaagatg 120
aaacagtcaa ttatctgaac aggaaagatg tgcagtcagc tatgcatgca catcttggtg 180
gagttcaaag atggtctgct tgcagcaatg tcctggatta tgagctgcgt g 231

<210> 27734
<211> 225
<212> DNA
<213> Glycine max
<223> Clone ID: 700889971H1
<400> 27734

gcattgcggtt gctctctcta taccttctaa ttcccaaatt tctagggttt ggtacagaga 60
 gaaaaaggaa cataagatgt ctcagaacgg gaagctgatg ccaaattctag accagcatag 120
 caccaagctt ctcaatctca ctgttcttca acgaatcgac ccttttgtcg aggaaattct 180
 catcaccgct gcgcagtgtca ccttctacga gttcaacatc gacct 225

<210> 27735
 <211> 225
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889972H1

<400> 27735

ggcgctggtg gcttcacgc ctcttggatg gtcaaactcc tcttggagaa aggctacact 60
 gtccgaggaa ccctcagaaa cccagatgat cccaagaacg ggcacttaaa agagtgtgaa 120
 ggagcttccc agagactaac tctgcataag gttgacctcc ttcattctga ctccgttaga 180
 tctgttatta acggctgtca tgggtgtctt cacactgctt ctccc 225

<210> 27736
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889980H1

<400> 27736

ggagcttctt ttcccacct tgaattttat aaagagggtc atttactatg tatgttgcag 60
 ctgaggatat tgaagctgga cctaggacga agtttcaaac ggaaccaact ctaccaatat 120
 atctaaagtt cacggatgtg acctacaaga tagtgatcaa ggggatgaca acaactgagg 180
 agaaggatat cttgaatggg atcactgggt ctgtaaactc aggggaagtt ttg 233

<210> 27737
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889982H1

<400> 27737

tgcataagag ctctggacaa tgaccaagga cacatccctt tcagaggcag taaactgact 60
 gaagttttga gggattcatt tgttggcaac tcccgcaccg ttatgatttc atgcatatca 120
 ccaagcactg gttcatgtga acatactctg aatacattaa gatatgctga cagggtaaaa 180
 agcctatcga aagggaacaa ttcaaagaag gatgttttat cgtcaaatt 229

<210> 27738
 <211> 226
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889984H1
 <400> 27738

gttaactcct ctcagaaacc tgctctcaag ttcttgatct atggcagaac aggttggatt 60
 ggggggtttgc tggggaagtt gtgtgaaaag caaggaattc cctatgaata tggaaaagga 120
 cgcctggagg accgatcatc acttgtggct gatattcaga atgtgaagcc aacacacatt 180
 tttaatgcag ctggagtaac tggcagaccc aatgtcgatt ggtgtg 226

<210> 27739
 <211> 222
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889986H1
 <400> 27739

agagagagaa tgggtctcat ctcaatgcaa tttaggttct gaaaacaaaa gcttttcata 60
 ggaaaagttg tgctaagatg ccagggaac ctgacactga tgattggcgt gtagagcgtg 120
 gggagcagat tcagtttcag tcttcattt actctcatca tcagccttgg tggcgaggag 180
 tgggggaaaa tgctccaaa tcattctcag atgatcagtt aa 222

<210> 27740
 <211> 221
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889989H1
 <400> 27740

gatgaaggga gattaccaca ggtacctcgc cgagttcaag accggcgccg agcgtaagga 60
 ggctgccgag agcacctctc tgcatacaaa gccgctcagg acattgcaaa tgccgaactg 120
 cctccaactc atccaattag gcttggcctt gcaacttaact tctctgtatt ttactacgaa 180
 atccttaact ctcccgatcg tgccctgcaac cttgcaaaac aggcttttga tgaagctatt 240
 gctgaat 247

<210> 27744
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890004H1

<400> 27744

gaaagatttg gtattcaaag tgcaatactg tggaatatgc cactcagatc tacatatgtt 60
 aaagaacgag tggggcaaca caacctatcc tctggttcct gggcacgaga ttgctgggtg 120
 ggtaacagaa gttggaagca aggtgcaaaa gttcaaagtt ggagaccggg taggtgtggg 180
 gtgcatgatt ggatcctgtc gttcatgtga aagctgtgat gaaaatcttg agaattactg 240
 c 241

<210> 27745
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890005H1

<400> 27745

cacacacttg ttctgttcct acggttttgt tatggctctt ccttcactat cctttctctt 60
 catcttcact tccttcacg tctccgtctc acactcaata ccctttattg ttattcatgg 120
 aattggggat cagtgtctta atcgtggagt gaaaaaattc acacagcaat tgagcagctt 180
 ctctgggtgct gaaggatatt gtgtcgaggt tggaaatgga tcatgggatt catggtttg 239

<210> 27746
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890009H1

<400> 27746

catctcaaaa cctagtctga aaccatagca caaaatcaac catgtctcca ttgattgttg 60
 ccttggttac aatcgagca gcaatcctca tatatcgat aataaagttc ataacacgcc 120
 catccctccc cctcccaccg ggcctaaac catggcccat agtgggaaac ttgccacaca 180
 tgggcccgtt gccgcaccac tccctcgcg cggtggccc catccacggc ccgttgatgc 240

<210> 27747

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700890010H1

<400> 27747

gaggatatca agggattgga ttttatagtt ttgaggagc cggaaatgac aattataagt 60
 tgccacgttg aaggaaatgg tacagatgaa ctacataaac acctgatggt agaaatcagg 120
 tcagctagtgc acctaaacaa gatagagtca gtcttcccc tgccaatttc aaacttcttc 180
 caagtgaagg gcttatcaaa aggcagacac cttctaaagc ttcaatctgg tctccatc 239

<210> 27748

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700890011H1

<400> 27748

cacttaacta gtaatatatta ttagaatttg ctagagaatt agaagaataa acataatacc 60
 ccagatggct tcaaaaactt gttcctccct tgcccttttc ctacactca acctcgtttt 120
 ctctcactt gtctctgcat gcggttatac accatgccct ggtccaaacc caaagccaag 180
 gcccaacccc aaccctaacc ctaaccccag cccaagtggc tcgtgcccc gtgacgcac 239

<210> 27749

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700890012H1

<400> 27749

ggttatgtta aaaaacaaaa ttttctattg gagactgggc cagatgacga ggtcttcaat 60
cctaaagcta agttacctgt gaagactact ttgaagggtga ctgtatatat gggggaagga 120
tggtactatg atttcaagca tacacacttt gatcaatatt cacctccaga cttctacaca 180
agagtgggga ttgctggagt ccctaattgat actataatga agagaactaa ggcaatag 238

<210> 27750

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700890019H1

<400> 27750

ccactacacg caaagcaaaa cacacctcca cattcaccct tagtcctcac tcaacaaaca 60
aattagccat gagcaccaag gagtgctgcc accacgacga ggagcggcgt cagtcccccg 120
ccgcgtattc gccgcgatcc tgggttcat cctctctatc ctcttggtga tcttctcat 180
ctggatcatc ctccgccccca ccaaaccg cttcatctc caagacgcca ccgtctacgc 240

<210> 27751

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700890021H1

<400> 27751

cacaatgtcc gattcagcca gggcagagct atgtctacaa cttcaccatc aatgggtcaaa 60
gaggcacact tctctggcat gcacacatca cgtggctaag agccacggtg tatgggtggca 120
ttgtcatatt gcctaaacga ggcatttctt atccatttcc taaacctgac aaagaaaaga 180
taatcattct aggtgagtgg tggaaatcag atgttgaagc aattctcaat caggctg 237

<210> 27752

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700890022H1

<400> 27752

tgaatttaaa accaacaccc atgtccctaa actaggggta atgcttgtgg ggtggggggg 60
 aaacaatggc tcaaccctca ctgggtggtgt tattgctaac cgagagggta tttcatgggc 120
 aacaaaggac aagattcaac aagccaatta ctttgggtcg ctgaccagc catcagctat 180
 cagagtgggg tctttccaag gggaagaaat atatgctcca ttcaagagcc tgcttcc 237

<210> 27753

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700890024H1

<400> 27753

gaaacttaat cgatcatcac ttcacttcac taatacatca tggcagacga gaccagaac 60
 aagtatgaga gctctgaggt tgaggtccag gatcggtgtg tttttgactt tctcggtaag 120
 aaaaaggatg aagaagacaa gcctcatcct caggaggagg tcatcgccac cgagtttcaa 180
 aaagtcactg tctcagacca aggagagaac aagcacagcc tcttagaaaa gcttcaccg 239

<210> 27754

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700890027H1

<400> 27754

tctttttccg agtcttccag tgaaagaaag gcagcgatgg aagaagactt cgacatcccc 60
 ggcggcgagg aaatggatct cggcgaagac gaggtcggcg aggagaggga gatcggctct 120
 ggcggcctca agaagaagct cctcaaggaa ggtcaaggct gggaaacccc cgaagtcggt 180
 gacgaagtcc aagttcatta cacggggact ttgctcgacg ggactaagtt cgattcga 238

<210> 27755

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700890028H1

<400> 27755

tgatgaaatt gttttttaat tttttaaaact tgcgaatttg gaattcttgt tattaagcct 60
tcacttatgt tataagtata aatgcttttg ctttaaccaa gttcattagt tgaaaaagga 120
aaaagaatgt agcttgctga gttttgcaac aattaaccaa ttgtgtcaag ctaaagttat 180
attgttccta acttccaagc ttcgatgatt tttcttggtt ggttgacttg gtaaaca 237

<210> 27756

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700890029H1

<400> 27756

gtgcatgcca ccaaagtgtc cctctctgcc ctgtgagggt gaagttgtac acaaaggcca 60
cacggaaaaa gtcatcatat tgagtgaatg gtggaaatca gatactgaag ctgtaataaa 120
tgaagctttg aaatctgggt cggtccaaa tgtctctgat gtcacacaa tcaatgggtca 180
tcctggatct gttcaaaatt gtgcatcaca aggggggatac aaactccaag ttcaacc 237

<210> 27757

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700890034H1

<400> 27757

ttccattccc tttaccgacc tcacagcaca tcaatacatc ttcaaattcc cctcttctct 60
ctctcacatc tcttcgtcct ctctctcaca tcacaatttc ataaaaaacc tctttttaag 120
tttcttgctt ctttctctct gaaagaaaat tgaagtccta accagttggc tcttttgttt 180
tatcgttctc catggctcag aaaaccgaga aagaagaaac cgacttcaaa gttccggaaa 240

<210> 27758

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700890039H1

<400> 27758

attacaatag cctctattca aagaggagaa ctaggtctag atattatgat gattcaaaat 60
cagaagaatt taattcttct aggcttaagg aaaaagaaaa ataacaaatt tatgaaaaaa 120
gaaatatttg ttatcgaacc agttcgctg tctagaaaaa acaataaaca attttttatg 180
tatcaaacca taggtctttc attaattcaa aagaataaac gaaaaattta tcacaaa 237

<210> 27759

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700890041H1

<400> 27759

atgacagggt ggttgaagta gtaggggatc cactggagt gcataaggca ttagagttaa 60
ttgcctccca cctaaggaag tttttagttg atcgcggtgt aattccaatt tttgaaatga 120
atatgcaaac agctaatacc caccatgcgg agcacatgcc accccaccaa tcttgggggc 180
cacctcaggg tcttcctcca aatgttggtg gaggttctgg ttttggaact ccttct 236

<210> 27760

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700890045H1

<400> 27760

gcacttacca gcaccactac ttataccaag agaaacaaat aaaaaatgca tgtagatgg 60
ctacgaaatt ccagccaaga cattattata tgtgaatgct tgggcaattc atagagatcc 120
taaggcttgg aaagatccag aagagtttat acctgagagg tttttaaat gcgacataga 180
tctttatgga caagattttg agtttattcc attcggtgct ggtcgtagat tgtgc 235

<210> 27761

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700890046H1

<400> 27761

gaactcctag ctattgggtg caactatattt tctcagagtc aagtggagca acatttctaa 60
gtacatcact tcaagcacct tcttcaaatt cacttggtgc atcagcaatt acatttcaaa 120
attctgtaga taagaaaaat tacatacgaa taaaggttgt gaacttcggt accactgccg 180
tgaacctcaa aatctctctt gatggactgg aaccaaactc attgcagtta tctggg 236

<210> 27762

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700890048H1

<400> 27762

ggatctctta tagtaagctt caaaggaaag gacctaacac gcattgaatc agctataaaa 60
gcattacaca agaagtttca acccagtgc ttcggtgaga tgaactagga tgatgttcta 120
aatgctatgg tccatttctt ttggatgcc aacagaatgaa aacctttcat ggctgggac 180
atatcattct catattatct acaaataata gatgcattgg gataaagatg gagaggg 237

<210> 27763

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700890049H1

<400> 27763

catttcacaa ttccagtctg attcattgct cgaagttatg tcatcactac cttgaagaa 60
tcaattcaac tggtaactc tgccattcat cttctgctaa tggaacgaac tactgaaaaa 120
acattcagga tcttccagtc ccaggagcac gagcttggtta acaagtacaa ttatgttggt 180
agcctttgga aaagggtatc aactgtcact ggagaattgc actatggtga tgcattgag 239

<210> 27764

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700890056H1

<400> 27764

attgtttgtt gttgtaactc gttcttcttc ttttgttggt ctgtgtttgt gtttgttttt 60
tctctcacct gaaaatgtct tgctgcggtg gtaactgtgg ttgcggaagc tcttgcaagt 120
gcggcaacgg ctgcggaggc tgcaagatgt acccagactt gagctacact gagtcaacca 180
ccaccgagac cttggtcatg ggagtggcac ctgttaaggc tcaatttgag ggtg 234

<210> 27765

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700890061H1

<400> 27765

tatcactgtg ttgcgagcag tgatcgattc tgcgaaactgc gattcgcatt gccaatattca 60
acagcgtgcg ttcgtacgtc ggagatggag tcgctaccga cgacgaagcg aggaggagcg 120
agatcgaagc ccgttcagac ctcgaaatcg tccctcgtca tggccttctt ctctcgctc 180
gcgtggctct acgtcgctgg aaggttatgg caagacgcag agaatcggaa ttg 234

<210> 27766

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700890065H1

<400> 27766

gtgacttgag aaaaagaaat ttagggcttt aagggtttca ttctgcggca tcagacatgg 60
gaggaggcaa tgggcaaaag gcaaagatgg cacgcgagaa gaacctcgag aagcagaagg 120
ccgcctcaaa gggaagccag ctggattcaa acaagaaagc aatgtcgatt cagtgaagg 180
tgtgcatgca aacatttatg tgcaccacat cggaagtga gtgtagggag catgctgaa 239

<210> 27767

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700890070H1

<400> 27767

catcatcatc gagttctccg aaaagaggaa ggcattcaaa tttgtttctt attcttggaa 60
 ttgctattgg cataatcttc attgctatca tatctgtact tatattctgt ttatgtacgt 120
 ttctgtcaaa agcaaagaca cctccgatag aaactgaaaa gccaaaggaca gagagtgcga 180
 tttcaactgt gggttctctt cccacccaa ctagtacacg atttattgct tat 233

<210> 27768

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700890073H1

<400> 27768

caaaaccata tatgacttca agctggggca ccattttctc tgagagaaaa agggaaaaag 60
 aagatattaa aagaagaaaa tgatacccag ttatatacat tattaccact ttatgtcagg 120
 aagcttgtgt gtgtacgaag gggttttcat cttttttatt ttactttatt ttgggtaatt 180
 cacatgcttt ctttctagga cttttagaat gagggttttc tatgggaatc att 233

<210> 27769

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700890074H1

<400> 27769

cctgttcatg aggaagctaa gatagtagga aaaacaagct atgccagcaa cttgtctggg 60
 tatgatgaat atgttccaat ggtagacata cctgttgatg ctggttgga gaagcaagca 120
 tctctacaga ggtcttacac ctctaaagga gcacctctc ctgacactca gaaaactcct 180
 gaagggattc aagctcggat gtgggtagca ctgtctatct tcttcttgac tg 232

<210> 27770

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700890084H1

<400> 27770

atccacccac accactcaaa caggtacagg gtgtcagttt tccaagagat gtgattgctg 60
aagaatgtat acctgcttct gtaaacaaca gaaaaactgg gatttctaata atgattgaca 120
tggagaggag gaaagagact ggcactgtgg gttgttcatt tggagaaaac agagaatcaa 180
atcatgctga tagtattaca tgctcagttg gtagttgtag tatcactagc ag 232

<210> 27771

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700890091H1

<400> 27771

ctcttcaaaa gggagaagaa aaggaaagaa aactctcaaa aaactattat agcaatggca 60
gaacaaaacc aaaaccaaac aactgaagct ggaaggcacc aagagggttg tcacaagagc 120
cttctccaga gtgatgctct ttaccagtat attctggaga caagtgtcta cccaagagaa 180
cctgaatcca tgaaagaact gagagagttg acagcaaac acccatggaa c 231

<210> 27772

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700890110H1

<400> 27772

caccaaatta atccatatat agagagagtt aggaaaacaa tggaagccat ttctcctaag 60
catcttatga catcccttgt aataattata gcttctagtt tgaccgcaca ctgtggctgt 120
gccaaagagag ggggtgaaag accatacaaa gaagccaaca cactgttcat aagaacatct 180
tgcagctcca caacatatcc aagactctgc tacagctcct tagtgaagca tgcagacttg 240
atccaaacaa atcgtgtggg tct 263

<210> 27773

<211> 260

<212> DNA

<213> Glycine max
 <223> Clone ID: 700890111H1
 <400> 27773

ggttggaac gcctgctggg agctttactg cctcgaacac ggcattcagc ctgatgggca 60
 gatgccaagt gacaagaccg ttggtggagg tgatgatgct ttcaacacct tcttcagtga 120
 aactggggca ggaaagcacg tgccccgtgc gatttttgta gatcttgagc ccactgtgat 180
 tgatgagggtt aggactggga cataccgcca actattccat cctgagcagc tcattagtgg 240
 aaaggaggat gcagcaaaca 260

<210> 27774
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700890122H1
 <400> 27774

gagaatttct tccatgttac agatgctatc ttctcttaaa aggatcatgt ctttgccaga 60
 tgatacaagt atttactgtg gtcataaata taccttgaac aattcaaagt ttgccttgtc 120
 tatagaacct gaaaacaagg aacttcaatc ctatgctacc catgtatcta accttagaaa 180
 taaaggcttg cccacggtaa ttttcagaac ttggcttctt taatggatgg tttcaagtgc 240
 cctctgtagg ggctcttcct tc 262

<210> 27775
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700890127H1
 <400> 27775

aaccttgcc tgcctatggc tcaaactcca tggctggctt gatcaccggt tcgaattctc 60
 acttctcgcg tgactccgat gagcatcaga ctctctctac ccgacaggct tcatcgaaaa 120
 ctacttgtcg agtttgtggc gatgagattg gatacaagga aaatggggag ctgtttgtgg 180
 cttgtcatgt gtgtggattt cctgtttgcc gaccgtgtta tgagtatgag aggagtgaag 240

ggaaccagag ctgtcct

257

<210> 27776
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700890128H1

<400> 27776

cgcttctgat tccgtcttca atcacctcgt tcgtgctccc gaagatccta tcctcggggg 60
aactgtcgct tataacaaag atccaagtcc agttaagctc aacttgggag ttggtgctta 120
ccgaactgag gaaggaaaac ctcttgTTTT gaatgtagtg aggcgagttg aacagcaact 180
cataaatgac gtgtcacgca acaaggaata tattccgacg gttgggcttg ctgattttta 240
taaattgagt gctaagc 257

<210> 27777
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700890134H1

<400> 27777

ttttgagtaa tggggaaact ggtactgctc agaatgtaga caaaacaacc agcttggcac 60
gaaaagtctt ccgtctcttt aagtttgtca atgacctaca tgctttgata agtccaacac 120
cacaggggac acccctcccc ctagctctgt tgggaaagtc caagaatgct ctactctcca 180
ctttcttggt tcttgatcaa tttgtgtggc ttggcagaac aggcacctac cagaataaag 240
agcgcaccga actaattgg 259

<210> 27778
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700890139H1

<400> 27778

gctatctctg ttggggacac tcgattgtcc attgagaagt ccacttttga agtgggggat 60

gatgggaatg gtggtgtgat catagactct ggcaccacaa tcacctacgt tcaacaaaag 120
gcctatgagg cactcaaaaa agagttcatt tctcaaacca aacttgcttt ggacaaaact 180
agctcaacag ggttggatct ttgtttctcc ttgccatcag ggtcaacaca agtggagatt 240
ccaaagcttg ttttccatt 259

<210> 27779
<211> 258
<212> DNA
<213> Glycine max
<223> Clone ID: 700890141H1
<400> 27779

cctaatacgca ctccgctctc cgcactccgc tattgcacct ccctcgacgg cacctcaggc 60
gcactcgttt tcggttccga ttgcattgaa tcaaattctga gaaccattct cattgcccgt 120
ctgtaatcat gtcaggaaaag tatatcattt ctgctattct tggatcattt ggagttgcat 180
gggtttgtga ttattatggt tcagagaaaa agctatttgg aggttctacc cctggcacta 240
ttacgaacaa tgagtggg 258

<210> 27780
<211> 258
<212> DNA
<213> Glycine max
<223> Clone ID: 700890142H1
<400> 27780

aagagggtcaa gccactgata gtcatagtct tgcagaaaga gttcggaggg agaaaatcag 60
tgaaagaatg aagcttctcc aagatcttgt cccaggttgc aacaagggtca cgggttaaagc 120
actaatgctt gatgaaatta taaactatgt tcagtcattg cagcgccaag ttgagtttct 180
gtctatgaag ttggcttctg ttaacaccag gctggatttt agtattgaga gtctaattctc 240
aaaagatata tttcaatc 258

<210> 27781
<211> 256
<212> DNA
<213> Glycine max

002220" EFFE560

<223> Clone ID: 700890143H1

<400> 27781

tttacaacaa caatggcttc tgtgcctcaa ccaaaaatct cccttctaac cttattcttc 60
ttctcgtcct tcaccatcat tgcgcatgca attgttcttc aaaacgaaac cttcaaattt 120
gagaactcag gtgaacttgg accctacatc gttgagtacg gtgcagatta cagaatgata 180
agcatcttca actctccatt ccaagttggt ttctacaaca ccaccccaaa tgccttcact 240
ctagctttgc gtgtag 256

<210> 27782

<211> 257

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700890148H1

<400> 27782

agaagattga agaggacatg tntgatagaa tagctagaga aaaagcggaa gaagaggcaa 60
ggcagcaggc attgcttaga aagcgatcaa aagtccttca acgggaactt cctaggcctc 120
ctacagcatc attggagctt ataagaaatt ccttgatgag aactgacgtg gacaagagtt 180
cctttgttcc accaacctct attgaccaag ctgacgagat gattagacgg gagcttctaa 240
gtttactgga gcatgac 257

<210> 27783

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700890150H1

<400> 27783

cttttgcttc cttaacctat ttgttatcc tcaattttca atggctcaat ccattcttgg 60
aaaaacctct tccatgactt caatactcct cctgtttatg cttcttatca gtaatacagg 120
cacaacaggt gcacaatctg gtgtatgcta tggaagagtt ggcaacaatc tgccatcgcc 180
acaagaagta gtttcccttt ttaaacagta cggcttccaa aggatgagaa tctatgatcg 240
aaaccatgaa gtcctc 256

<210> 27784
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890158H1

<400> 27784

gaaagtctca acctttattc gaaagagcaa ggatctgagt tgagttgagt gatcatgtgt 60
 ggtggtgcga ttatctccga cttcataccg gcaggtcccg ccagcggggc gcggcgcgtg 120
 accgccgaca tcctgtggcc gagtttgagg aagcgcttct cgaagccgct gctggacgat 180
 gatttcgagg ctgggttcag agaattcaag gatgattcgg aaatcgagga tgttgatgac 240
 gaggacgatg aaga 254

<210> 27785
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890160H1

<400> 27785

agaagaatta atcgggtgga cctatgcaga tccctcttgg gcccggatcg ctgcccttgt 60
 tccagttgta gtgacctgtg cagaggctgg ggatgagggt gcaaataaga tcttgctaga 120
 ttctgtacaa gagctagctt caagtgtcaa agctgttgta gagagacttg gattgtgtgg 180
 tcaagatgga aagagtgcct ttccccttgt tatggttggc ggtgttctcg aagcaaatag 240
 gaggaggtgg g 251

<210> 27786
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890161H1

<400> 27786

ggaaagtgtg atggaggacg aggctgagag tgaaggggag ttgccctttg gtggtgacga 60
 atacaatggt cctgtaggaa atggtgtgcc taatgtttca aggctttctg tgtctgtgaa 120

aaacacgaga actggtgaga aaagtaggca gcagatgggt gtaaagcaaa agagtggctt 180
 tttggctggg acatcatctg gaaacacaac tgtgaatgag ttacctgcaa gtcctggtt 240
 cgtgaagcta a 251

<210> 27787
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700890169H1
 <400> 27787

ccggattcga gtacctgtcg aggttccaat ctcgctccct cgacgccaac gccagagaag 60
 aatccgttgc atggattctc aaggtacacg cgtattatgg ctttcagcct ttgacggcgt 120
 acctcgccgt caactatatg gatcggtttt tggattctag ccagttgccg gaaacaaatg 180
 ggtggcctct gcaacttcta tctgttgcac gcttgtcttt ggcagcaaaa atggaggaac 240
 ctcttgtt 248

<210> 27788
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700890178H1
 <400> 27788

gtgaaactga aaccgcgacc aaatccaaaa gtttgccagc atctactgag aactatattt 60
 caagtggaaa taggttgctg gttgacagt gtccttgcaa tcttgtatct caaatttgct 120
 ctttggcaat tggacttcaa gactgtggcc tcgctaccgg gcagacaaag ggggatcaag 180
 caaaaatttg caggagcaaa agccttcagt tgagcactta tgacacggac aagtgttcca 240
 gaaa 244

<210> 27789
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700890179H1

<400> 27789

ttcacattct tccagaatca tcaaagccat caacgggctt gacttggcaa ctagctggaa 60
 gatgaagcaa gcaactcttt tcttcttctc actcttccta ctcttttcct ccaccaccat 120
 ggccatttca ccagcacctg cagcagcacc aaaagccaca gcaaaaactc ctctacccc 180
 aaaggcaaca gcaccatcac caaaaccatt agttcccaca atacctcagt ctccagactc 240
 tcctga 246

<210> 27790

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700890185H1

<400> 27790

ttgccagcat ctgcacctca attttatcaa caggtgcagt ctctactgt tcctctgcct 60
 gaacagtatg gaggagcttc ctccagcttg agagtggcca ggctcctat attgcctggt 120
 tcatatgtgc aaggggctta tggctctgta cttctttccc caggggttgt ccaatttccg 180
 ggatggagtc attattcggc acctgtaagt cctgtgccat ctctggcgc tcaacctgct 240
 gttggg 246

<210> 27791

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700890188H1

<400> 27791

cactcacctg ctaatattac tcagtgtgta gatcttttgc atttagcacc taactctcct 60
 gatgctaagg tgtttgaggg attccaaaaa tctgccaaaa caaacagctc caccacagtt 120
 tcagtttcca gtggtgctga gaagggatca agctcaagtg ctccaggaaaa gagtggtgct 180
 gtctccacaa ttacaaaggc acaccacctg ttttactcta tcttaccatt accattatta 240
 tttcttg 247

<210> 27792
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890195H1

<400> 27792

gctagatcgg ttgcttaggc caggagggtta ctttgcatac tcatctccag aagcatatgc 60
 tcaggatgaa gaggatcaaa ggatatggag agagatgagc gcccttgtgg gacgtatgtg 120
 ttggagaatt gctgcaaaga ggaaccaaac tgtcatctgg caaaaacctc taacaaatga 180
 atgctatatg gagagagaac ccggcactcg ccctcctctt tgccagtctg atgatgaccc 240
 aga 243

<210> 27793
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890208H1

<400> 27793

gtgaaacatg acagggttga ggaagcacia agtgcaacac caccaccaac agaaggagat 60
 gatcacaagg ttgagcctgc tgttgacagta gaaaagattg aagattctgt gccatcagat 120
 gaatctgtcg ttgcagttga agacagtgtg aaggaggaga aggaagtggg tcctgactca 180
 cacactatca gtgacattga accagttcat caggcaccat ccacagaaca agctgtg 237

<210> 27794
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890210H1

<400> 27794

cagcatttga tcaaggcaat acaaggccac ttagggaaca agaataaaa agaaggaaaa 60
 agaagaagac gacatagcaa agcctagaaa catgggtcac cattcttgct gcaaccaaca 120
 gaagggttaa agaggacttt ggtctcctga ggaagatgaa aagctcatca gatacattac 180
 tactcatgga tatggctgtt ggagtgaagt tccagaaaaa gctgggcttc aaagggtg 238

<210> 27795
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890213H1

<400> 27795

cacacacttg ttctgttctt acggttttgt tatggctctt ccttcactat cctttctctt 60
 catcttcact tccttcacgt tctccgtctc acactcaata ccctttattg ttattcatgg 120
 aattggggat cagtgtctta atcgtggagt gaaaaaattc acacagcaat tgagcagctt 180
 ctctgggtgt gaaggatatt gtgtcgaggt tggaaatgga tcatgggatt catgggttg 239

<210> 27796
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890227H1

<400> 27796

cgtgggtctca aagcatgaca taatgccaag gcttctcttt gctcccataa caccttacac 60
 tgctcaaata aacttcctgc ttcagttttg gcaactgtcc atgactgtc caggctttgg 120
 gaagcttgca gttccaattt ctgaccaaca gaaagagctg ttcaactttg tgatgagtca 180
 cttggatgca gccacacaag atgaagaagg gtctgcacct gttttgtttc accca 235

<210> 27797
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890229H1

<400> 27797

accgcgttgt gcatggtatt gatgtctttg atccaaaatt caacattgtc tcccctggag 60
 ctgatcaaac catttacttc cccacactg aaaccagccg taggttgaca tccttcacc 120
 ctgaaatcga agaactcctt tacagctcag tggagaatga agaacacata tgtgtgtgta 180
 aggaccgcag caagccaatt atcttcacca tggcaagggt ggatcgagtg aagaacatc 239

<210> 27798
 <211> 189
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890230H1

<400> 27798

gtgagagccg ccgctatctc gagatgttct atgctctcaa gtaccgcaaa ttggccgagt 60
 ctgtgcccct tgctgttgag taaactgagg atgaagagtt ggataaagaa atggaggaac 120
 cggctttttg tttctcattt ggagtttgtc ttacttgagt tctataaata atatgtccct 180
 gatgattttt 189

<210> 27799
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890240H1

<400> 27799

gtaccctcca taccagccaa atcaagcaac aaacccatca cctgcagaaa cactgcaaaa 60
 cagcatggcc atgcaaatgc catactcggg agttccacca ccaggatcta gccgcaccga 120
 tgccatacct tatggatatg gaggagctgg cagaacagtt ccacagcagc ctccacccca 180
 gcagatgaag agctcttttc ctgcaccccc agctgacatg tatggacctt ccg 233

<210> 27800
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890247H1

<400> 27800

aataataatg gcttgcgggc taaccaaact ccacgaatgc gaacatatac taaggttcaa 60
 aagcgtggct ctgttggaag atgtattgat gttaccggtt acaaggata tgatgaactc 120
 cggcatgatt tggctagaat gtttgggatt gaagggcagc tagaagatcc tctaaggact 180
 gattggaaat tagtatatgt ggatcatgaa aatgacattc ttcttggttg tgatgacc 238

<210> 27801
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890250H1

<400> 27801

gatgaattga gggtggaatg agctactggt ggatttagat catggtgcat atactgaaga 60
 caataagccg tgcccataat aaccctcatc cttgcgctcc agtcaagagg ttcaacttcc 120
 ttaacatgca gatgctcaaa taagtttcca ttcggagcat actcaaacac catcatcctt 180
 gtgaatgggt cttcttcgtc acagtaccca ataagggttg taaagttctt atggt 235

<210> 27802
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890257H1

<400> 27802

cctgatggga ggattgggga gactgcggtt ttgaatgggg aagagtttga tggttgtgaa 60
 tttgagaacc tgcagtgtct ggcaagccag aatttggggc tcaaggatct tcgcgcttgt 120
 ggggttgggg ttggacacac agggctctaat gtaaattctt ctgccttacc aaagaaaaga 180
 aaagggggat ctcgtgctgc aacagctggt tgaagaattg ataatttgg 229

<210> 27803
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890263H1

<400> 27803

gtcgactcct gctaggaaga ggctgatgag agacttcaag aggctgcaac aagacccgcc 60
 tgcagggatc agcgggtgcc cccaggataa caacataatg ctgtggaatg ctgtcatatt 120
 tggctctgat gatactccat gggatggagg cacgttcaag ttgactctcc agtttactga 180
 ggattatcca aataaaccac caactgtgag atttgtgtct cgcattgttc atccaaa 237

<210> 27804
 <211> 225
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890289H1

<400> 27804

catagttgat aacaccaaag gcacaacaac attgagggaa tgaggcttgt catatcagct 60
 gtatgtgtta ttgtgctatt ttcttatgct gctgcgtatg atcctttgga tccaaatgga 120
 aacataacga tcaaatggga tgttgtgtca tggacaccag atggctatgt agccgtggta 180
 acaatgagca atttccaaat gtttcggcac atcatgaatc ctgga 225

<210> 27805
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890290H1

<400> 27805

ttgcattcca aactcaccat cactccaggg ttggaagaca ggtccatggt gtttattcgg 60
 ctggaacata ggcaagaata gagttaatgg caaacctcag attaagtacc atgatattga 120
 tcttacattc ccaacttctc tggctgacaa aacatttttg agagggaagg agctcaaatg 180
 ctgctatagg gctacaattg atggattcag tgcaaccaat ttccac 226

<210> 27806
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890330H1

<400> 27806

cacgaggaaa aaatgttttag tgccagtgtt tattactgat tttccagaaa ctacactttt 60
 gctggctggg tatgtttgtg ttgtcgtgtg gtttcatatt ttcttgatta gggtctattc 120
 ccattcagtt attcccaatt tctaagcgca atgccatgca attgaagttg tattttactt 180
 tacattgctc attcctttca gtttagcatgg tctttagaac ctgctattga tatctttttc 240

ttcttctcaa atg

253

<210> 27807
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700890368H1

<400> 27807

gaataatcga gacacagatc atagtgatca ttttttaatt tctcagattt atccgacgtc 60
gctgcagatc caccaaccgt tatggctgcc ttcagcgggtg atgaaacggc accgtttttc 120
ggcttccttg gcgccgcagc tgccctcgtc ttctcctgta tgggagctgc ctatggcaca 180
gcgaagagtg gcgtgggctg ggcttccatg ggtgtaatga gacctgagct ggtgatgaag 240
tcgattgttc ctgttgtcat ggctg 265

<210> 27808
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700890373H1

<400> 27808

gattgttggg ggtgaccata ggctgaggaa ctattcttcc ataatcacccg tccatccaga 60
ggatcatgat gggagacccg gtacaatggt gatcgaatca tttgtgggtg atgtgcctga 120
tggaacacc agggatgaaa cttgttactt tgtggaggct ttgatcaggt gtaacctaa 180
ctcttttagct gatgtctcag agaggatggc cgtgcaaggt cgaaccaatc ctatcaacca 240
ttaagcatgt ctagg 255

<210> 27809
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700890379H1

<400> 27809

gtcgaactga tgctggagtg catgctttgt caaatgtttg tcatgttgat attcaacgca 60

tcagcaaaag gaggcctggt gaagtgttac cacctcatga acctgctgtc gttggaagag 120
 ctgtaaacca tttcttacag aagcacgaca gtgacttaat gggtattgat gttcgatgtg 180
 ttccatctga ttttcatgca agatttaaag cgcaagagcg cacatacttc tatcggttgc 240
 tttctggggcc agagcctttg t 261

<210> 27810
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890382H1

<400> 27810

caggataagt cttggcgcgt gcgttacatg gttgcaaatac aattgtatga gctttgtgaa 60
 gctgtaggcc ctgaacctac cagaacggaa ttggtacctg cttatgtgcg gttgcttcga 120
 gataatgagg ctgaagtgcg catagcagct gctggaaaag tgaccaagtt ttgccggatt 180
 ttaaattccag atctttcaat tcagcatatt ctttcttgtg tgaaggaatt gtcattcagat 240
 tcttctcagc atgtc 255

<210> 27811
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890383H1

<400> 27811

accgatgctg ccgtacagaa gagcggaggt tgggtcggct tcattctccga agctatggag 60
 ttcgtttctca aggtgttgaa ggatgggtctt tctgccgtgc atgtccctta tgcattatgga 120
 tttgctatca tattgctcac tggttatagtt aaggcagcga cgcttccctt gacaaagcaa 180
 caggttgaat ctacattggc tatgcaaaat cttcaaccaa aaattaaggc cattcaagat 240
 agatatgctg gcaat 255

<210> 27812
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890404H1

<400> 27812

gaagacgata gctatcactg aatatgggat tcgctcagtg gctgccaaagt atatcatgaa 60
gtgtgatgat gacacgtttg tcagaataga gtctatcatc agcgaacaag aaaagtagga 120
agtggtagaa gtcctatata ggaaatatga attaccacca taggccccta cgttctggca 180
aatgggcagt aacatatgag gaatggtcag aggaagagta tcctacctat gctaattggc 240
caggctatac aatct 255

<210> 27813

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700890407H1

<400> 27813

gccaaagggc aattgctaga atcaggggtgg agcatatcat acgggaacaa aatacatggg 60
ctgcatatga aattttggag ttgttctgtg aatttgttct tgcacgtgta cctataattg 120
agaatcagag ggaggcccca cggaattgag agaagccatt gcaagtataa tttttgctgc 180
tcctagatgt tcagatgtac cagacttatt gcacatcaag aacttggtac cactaaatat 240
gggaaagaat ttgt 254

<210> 27814

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700890408H1

<400> 27814

caagaaggat attagtggaa atgccagagc tctgaggagg ttgagaacag catgtgagcg 60
ggcaaagagg actctctctt ccactgctca aaccaccata gagattgatt ccttgtacga 120
gggtattgac ttctcacaac cattaccctg gcccgttttg aagagctaaa catggattta 180
ttcaggaagt gcatggagcc cgtggagaag tgtttgcggg atgccaagat ggataagagt 240
accgtccatg atgt 254

<210> 27815
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700890417H1

<400> 27815

ccgccaccac catcatgacg gctatcacca tcaatcttca gtactatact attactaca 60
atacaaaatg catacgtaaa aagcagttca gtgaaggaag tggggcaggc attcgctttc 120
ttttgttagc attattatgt attattttct ttcttctcat atctgtagta gctgaaggaa 180
accacaggtt aaaataacac acaaagagtc acctgagtc atgtgtagta ggaactccat 240
ggcactgtaa tttcttctca t 261

<210> 27816
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700890430H1

<400> 27816

gtagaaggtc caaagaagat tgaggaggta cacagggatg ccgctcagga gaggcaggcc 60
caagctggta ggtcaggtcg tgggtcttggc aacaatcaat cagctagacg gaatcccatg 120
gattttggtc cagaggatct tctatgctgt cttctcccaa ttctcaaagtg ggtggactgc 180
gtgggtcttcc tactcaagtt cgtgggtatg gtgcttttca ggatgctcga tttgaggaaac 240
gacaatctta t 251

<210> 27817
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700890431H1

<400> 27817

agatcatccc tgtaaatact gagctagtgg agtgagggttc atggccaaaa caaggcaaaa 60
taataaatgt attcttttgt cagtgtctgg taattaggga tgtatacgca ctgatatagc 120

tagttccttc ttacctttta tataaggtac ttctatcacc tggactagtt tggccaactc 180
 tgtactatgc agatatcatt tagtgggtcta cttatcttgt ggcataattt taattcatct 240
 ctttcctttg ttt 253

<210> 27818
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890441H1

<400> 27818

ccttgacatt acacagtttag cgttctgctg agagcttaac caaatccacg acgaggtagt 60
 aggggttcttg ccggcaagtg gcaaccatgg ccactaccag cttgcagatg agccctcagg 120
 tggagcagtc ctcggcgaaa tctgcgatca cttttgagct ctgcgcatg tccatatctc 180
 tctcagatcc agcgcgtaga tttttcttaa ttccagattc tctgtttcat gttagatgat 240
 gaatttc 247

<210> 27819
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890471H1

<400> 27819

gaagaaagac aagagaagaa acattggttt tcctaagcgc ccgccattgc caaagaggat 60
 agtgcgaaac aagaagaaca aaatttccca tttctcgttc tgaaaatcgg agttaaacac 120
 tattatatat ttgtgatttg tgatatcttc tatctgattc agcatcatgg ttcagctaata 180
 gaggtctgat acggataatc actgtttgaa aaaggtgaag ttggagggtc aagatgaaat 240
 ccccc 245

<210> 27820
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890473H1

<400> 27820
 cgggactttc actagccgca gcagcctcag gaggagaata aggatgtctc acaggaagtt 60
 cgagcaccca aggcacgggt cactgggatt tctccccagg aagcgtgctg ctggtcacag 120
 gggaaagtga aggcattccc caaggatgac ccatccaagg cacccaagct cactgcattc 180
 ttgggttaca aggctggtat gactcacatt gttagagagg tcgagaagcc aggatcaaag 240
 cttc 244

<210> 27821
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890477H1

<400> 27821
 gacttacttt ttcccatttt tttagcccat aactccaact caccaaaaat gaagagagag 60
 ggtagacaac atggtatggt gaggtcttat agaatcctac caaattcact taaccctcga 120
 cccatactcg attcatcacc caatttgatg ccctccac tgctggattc ttcgtaaaag 180
 tgtcctctaa gccaaccaat cactccaagt tcttgcaa gtgtggcaca ccacgttgca 240
 ccgg 244

<210> 27822
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890478H1

<400> 27822
 atcgaataaa actagggttt ccgatcgtcg tcgaggagaa tgccgaagaa caagggaaag 60
 ggaggaaaga accggaagcg cggaagaac gaggcggacg acgagaagcg ggagcttgtg 120
 ttcaagagga cggccaggag tacgcgcagg tgctccggat gctggggaac ggccgctgctg 180
 aggcgatgtg catcgacggc accaagcgcc tctgccacat ccgcggaag atgcacaaga 240
 aggtc 245

<210> 27823
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700890493H1

<400> 27823

agaaagcaag ctcatcctag agtttttaaaa atggcagcag cctcctccat ggctctctct 60
tccccatcct tggctggcaa ggccgtgaag ctggggcccat cagccccga agtcgggagg 120
gtcgcattgag gaagaccgtc accaagcagg cctcctccgg aagcccatgg tacggcccag 180
accgctcaa gtacttgggc ccattctctg gcgagcccc gtcctacctc actggcgagt 240
tc 242

<210> 27824
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700890494H1

<400> 27824

atggaactgt cttcagcact ggaaaagatg tttagttgtt ttacaatcag tcaatgtggt 60
tcccatggag tttgtggtcg agataagttg actgaaaata gattgatgga tctcctccat 120
ggtcagaata tgtgtcacc tatgaagaca aggatggtga ttggatgctt gttggtgatg 180
ttccatggga gatgttcacc gactcttgca agagggtgag gataatgaag agttctgaag 240
caa 243

<210> 27825
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700890520H1

<400> 27825

gaagatggat tcattggtat gttcaacagc ggtttgtggc gaggaactgg cagcagccct 60
ctgtgcgttt gaacaatgca ctcatcacaca tgtatgctag ttgtggaatc cttcacgaag 120
cttatcaagt gtttgtcaag atgcctcgga aaagcaccgt atcttggact agcatgatca 180

tggcttttgc gaaacagggg ctcgggaagg aggcccttga tctgtttaag actatgctca 240
gtgat 245

<210> 27826
<211> 129
<212> DNA
<213> Glycine max

<223> Clone ID: 700890594H1

<400> 27826

aagaaattta agtgaggagc tagagaatga tgatgaagtc tgctatgtgt gcagtgggtgg 60
ttgtagcact tcttcttctg gcggaggtgg ggcccatggc tgaggctgtg acatgcaccc 120
caacagagt 129

<210> 27827
<211> 256
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700890624H1

<400> 27827

ggcagcaaga atcttggttag tgctcttctg caaacatgag tttgatgtga gataccagat 60
gcctgaagat aaattgtata ttgctcagct atatttccca cttgttggac agganttaag 120
tgaagaagct gccatgtgcc ttcttgcaca atttgatgga tagtcttaaa acggtggagg 180
aatggacaat ctgtagagtc gtgggaggct cataaggcac cggtcctaac tatcataaag 240
ctggccctca agagag 256

<210> 27828
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700890643H1

<400> 27828

ctgattatta tccttttttt tctcatgttc cgtattcctc tttccagagg acaaggagag 60

taatagcaag aaatcaatgt ttcaccaagt tatgtagcat gtatatctat cattaattga 120
 taattttcttt tggactccaa tttcaggaaa tccctgtact tgccttacag tgcagccaac 180
 acttgacaat caatattccc agtcaaagcc aagcttcagc tccacaaatc aaccagttt 240
 ctcaaagcc 249

<210> 27829
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700890658H1
 <400> 27829

gtttcatttg aagagtcatc ttcagaaata caggcttggg aagcaatctg ggaaagatgt 60
 gggcgaagga tgcaaagatg gttcatatct tttagaaagc cctgggtgctg ataacacttc 120
 tccaaagtgt ccaactcctg atacaaatga gggttatgaa atcaaggagg cattgagagc 180
 acagatggaa gtgcaaagta aattacattt gcaagtggag gcggaaaagc acttgcagat 240
 tcgccag 247

<210> 27830
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700890659H1
 <400> 27830

gcctgacata gagaagaaga agagagagtg atggagtgcg tattcggatt ggtgggtaat 60
 gggtttgca tegtgtggc tgattcatcg gcggtgcaca gcatcctcgt ccacaagtcc 120
 aacgaggaca agatcatgct cctcgattcc cacaaactca ttgccgctag cggcgagccc 180
 ggagacaggg ttcagttcac agagtacatt cagaagaacg tcgccttgta tcagttccgt 240
 aacgg 245

<210> 27831
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890679H1

<400> 27831

ctgggatgag agagagaaaa ttccagaccc tagtgcagta aagccagatg actgggatga 60
 ggatgcaccc ttggaaattg ttgatgaaga agcagagaaa cctgaaggat ggtagacaa 120
 tgaacccgag gagattgatg atccagaggc aacaaaacca gaagattggg atgatgagga 180
 ggatggtgaa tgggaagccc caaagattga gaacccaaaa tgtgaagcag ccccggttg 240
 tgggtg 245

<210> 27832

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700890709H1

<400> 27832

aggttgaaga agaagcatga cgaagaaggg gaagaagcaa ttgatgtcat cggcgccgtg 60
 gagaggcgag gagagtgaag aatccttcaa agagggaag ctgaaagtga cgaggcaggg 120
 tgatggcact tccaccatgc acgtccctgc ctccaagtcc aagcatcatc accatgacct 180
 ccacgacgac ctcggaatcg agattgatcc tgaactacgc tacagcttcc agcgcaattt 240
 tcagtttctt 250

<210> 27833

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700890711H1

<400> 27833

aattaatcat tcttttgggtt atttcatcca aaattgtaat tcgcttgtgt tcctcctaga 60
 aattactttc ataactgttg gaaaatagga gctttttaga aaataaagag cattttttta 120
 tcattgcttc tctttccttg atattttgta tagctagggt cactgcatct taggaagtat 180
 tgataactta attgctctct tgtaaattgt agttggagat tgattatctt tgtaatactt 240
 tgtgaa 246

<210> 27834
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700890716H1

<400> 27834

attctctgtg ttgtgttggtg tacttgtgtt aattgtgttg ttgtttagg aaatttaagt 60
gaagagagaa tgatgatgaa gtctgctatg tgtgcattgg tgcttgtggc actgggtgtg 120
gttgaagtgg ggcccatggc tgaggctgcg gtgacttgca acccaacaca gttgactcct 180
tgtcttcgga caattaattc aggttctgca ccttcgagtg cttgttgcca gaagctgaag 240
gagtaaa 247

<210> 27835
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700890718H1

<400> 27835

gcaagatgat ttatgcaagc tccaaagaca gattcaagag ggagctggat ggaattcaag 60
tagagttgca agcaactgat cctactgaga tgggtcttga tgtgttcaaa agccgtgcca 120
actaaaatga ttatataaaa tagtaggctt tctggtggga gcagcaccac tgaagcctta 180
gttactcata tggaaaatat cctagtttgt gggatgggtca acttgggtag ttatgggtccc 240
aaactctc 248

<210> 27836
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700890720H1

<400> 27836

ggagcctccg agagggttaac tctgcataag gttgacctcc ttcattctga ctccgttaga 60
tcagttatta acggttgcca tgggtgtcttt cacactgctt ctcccgtcac cgataacccc 120

gaagaaatgg tggagccagc ggtgagtgga gctaagaatg tgatcatagc tgctgcagag 180
 gctaaagtta gacgtgtggt gttcacctca tccattggtg ccgtctatat ggaccccagt 240
 aggagc 246

<210> 27837
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700890723H1
 <400> 27837

ctccgaacat caagcctcct cccattaatg acggaactcc gaatgagagt gttgcagatg 60
 tttttgttcg tgtgacacag ctcatgtcaa ttcttgaaac tcagtattcg ggtgacaccg 120
 ttattattgt gtcgccagat tctgacaaact tgacaatcct tcaggcaggt ttgataggac 180
 tagaccttcg aaggatatggt tttaatcaaa agcttcaatt aaggttttta ttttggttac 240
 tagttca 247

<210> 27838
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700890725H1
 <400> 27838

cttagagaga cattgtgggt acccatagtc tcatatagtg tcatacagca aaaaaattca 60
 gcaacacaaa acaatggggt ctcttatggc aggatgggtat tctaccacaca tggatcctca 120
 atcagccaca cttaaaagga accgctcact cactaaggat gaaattgatg cttactggaa 180
 atcaaagaag aagatagagg aagaacacct tagagctatt tccaatgtgt cagagactat 240
 tcaggc 246

<210> 27839
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700890727H1

<400> 27839
 tgcaattaca attcctataa ttgcaatcc tttccaatat catctaaacc ttcatttaat 60
 taacaaaacc aaaatgatga ataggcaatc tgtcttgccc ttctcactag tactgctagt 120
 ttcattttctg tattgcacct ccaccttagc ccaattatca ccagcttctg cccctctcaa 180
 accaccccaa cctacccta cccaccagc tgcggctcct caacaaccat tgggtccttc 240
 at 242

<210> 27840
 <211> 248
 <212> DNA
 <213> Glycine max.

<223> Clone ID: 700890733H1

<400> 27840
 tacgcagaca gtttccgagt tgaaggactt tgtgaaaaag ctgaactcat tgccagagat 60
 gaccaggcac ataaatcttg ctcagcatct atcaacattc acatcaaagc cttcatttct 120
 tgggcaactt gatatggaac atacaattgt agaggcccag agttatgata tatgctttga 180
 gtatatgaa gaactgatcc ataagcagga gcctttgaca acagtcttac gccttctaata 240
 cctattttt 248

<210> 27841
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890735H1

<400> 27841
 ctgagaaagg caaagtcatt caacatccta atccgcctca tgaaaaccac ccaattgatc 60
 aaccaactca atgcacagct cctcactact aaatccggag gcatcaccat tcttgcccca 120
 gatgacagtt ctttctctga actcaaagct ggcttcctca actctctttc tgatggccaa 180
 aagctcgagc tcttacagtt ccacgttatt tcagactacg tgtctagctc caactttgat 240
 aactga 247

<210> 27842

<211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890736H1

<400> 27842

gcttcaaata cagtttctta gtagatagta gtaagaagtt gaagctatag attaatttat 60
 tgtagtaaca attctagcaa tttttgagcc gataaaaaat ttgccctttt gtatttagta 120
 tggtaaataa tgtccacata tcccggaccc attgagctgt atgaaattta tttgaaattg 180
 tgatataatt caaaaacaaa tggattaggt gcatctagtt ccatcattgt tggaactgaa 240
 ctattg 246

<210> 27843
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890740H1

<400> 27843

ctaacacttc tctagatcgt agaactgcta cacctttcac tctctaatta cacaatgacc 60
 aatttgaagc ttgtgttcac gatcagttcc attcttctag ccttggtggt tatcaatgga 120
 atttcttcag ttatggggag gccactgaaa aaggagcaca tcataacaac aacctacgaa 180
 aacagtgtca aagaaatggg cacagtggaa gacaacaata ttctcctgtg gcgccgaagc 240
 atcata 246

<210> 27844
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890741H1

<400> 27844

ggctgctctt tggcgctgtc gccgttctta gccctagtct ctctgtctct cgtcgctctt 60
 ctgcaagtta gctgggacaa gccaccaagg aaaacatttt actgtgaaga acaatgagga 120
 agcttaagtt tcatgaaaag aagcttttga agaagggttaa ttttttggaa tggaagaggg 180

002260-ETTES60

aaggggggtca cagagagaac ct cattatgc aacgctacca tg ttactgga cgggacgatt 240
acaaa 245

<210> 27845
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700890750H1

<400> 27845

gaggcttctg cctcacctta attgtctact tgtcatattc tgcagctttg tgataaattt 60
gcaaccaggc cttttatggt gtacccggct tgatttggtc ctcatgtctt ttctttttct 120
cttgacaggg gagcttatat aattgttact atgtgtggct ggtagggaca tagtagttgt 180
tagcatgtac aggttttagga catatttggt tcccatgttt ccttattata tatagaagga 240
tggg 244

<210> 27846
<211> 145
<212> DNA
<213> Glycine max

<223> Clone ID: 700890752H1

<400> 27846

cgaatgagaa aatagttgga aattcggttag ggacaagaaa taatatagaa gatgtttata 60
tgatcccgtt tttgtttcca ggtaaaaata tgtgactttg tccattctat tgcttgctta 120
atgataatgt caatgtttcc agttt 145

<210> 27847
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700890753H1

<400> 27847

gaagaatggt catccattga ggaatcgggtg gcgagcgtga tcgaagaagc caaggagggtt 60
caagacgccg tttcctctca catctcaaag gcttccagcg atgaagaacc tctccgccaa 120

cgtgtccgtg ccgtcgattc cagaatccat tcgctacgtt cctctctcga ttctcttgtc 180
 tccaccaaac aaatccctcc ctcttagcc gtttaagttag atgaagattt gcagagagcg 240
 agat 244

<210> 27848
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700890754H1
 <400> 27848

agctctctta ttaatttgtc atctttcagc agatccccct agtttttctt ccaacatgag 60
 tttcaaatct ccctgcaat tgctcatcat catccttcta gttttttcat ttgttgtctc 120
 ttctgctgct ctccaaacaa caagaaggct ttgccaac aaagaaaaac tctcaacca 180
 gattacatct gataagggtg ttgaggaatt gagaaatgga gaagaaatgt tagatatggc 240
 agaa 244

<210> 27849
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700890755H1
 <400> 27849

gatcgttgat acaacttgcc catgggttgc aaaggatatg aattctgttg aaaaacacaa 60
 gcaacgagat tatacctctg taattcatgg taaatatgcc catgaggaaa ctgtagcaac 120
 tgcttctttt gctggaaaat atataattgt gaagaatatg gcggaggctg aatatgtttg 180
 cgactatatt cttggtggtg aattaaatgg atccagtcca accaaggaag catttttaga 240
 gaaa 244

<210> 27850
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700890762H1

0032250"CTT560

<400> 27850
aaatcacctc cacctccagt ttacatatat gcttccccac ctccacctat ctacaagtaa 60
gttcgaattg cggaagcacc attcacgata aatcatgttc tagtttttat cgaggaataa 120
aggcaagctc tatttgaggat caagtgaac atctatcttc ctgtccaagt tctttgaata 180
aaagtctgaa tgtgtcatct ctgcactaca atatttgtga ttctgaccaa gttgggttcta 240
tt 242

<210> 27851
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700890763H1

<400> 27851
aaattattca gtttatagca gtgccttgcg gttgggtgct tctatgctac cattaccaca 60
ccttaaagtt ggatatttaa ctgcacctcc tgtgggggca tcgattgcac ctcataatga 120
ctggaaacga tcagaattcc ttttggatca tgaaaagctt cagcagatac ccagaggaga 180
atataaacia gtaccacctc aaaatctctc aggagattg gtagatgcag tgagtggaga 240
t 241

<210> 27852
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700890767H1

<400> 27852
ctagaactag tcactccttt tagcaagtta acaacacttt tgtcttcgtt ccattatcta 60
gttctcaatt ctcttcaccc tttgcctctg aaagaaatgg gtagtcttga agcggaaaga 120
acaacagtag gattggcagc aagagacctc tcagggattc tctccccata cacctacaat 180
ctaagaaaca caggccctga tgatgtttac attaaagttc actactgtgg aatttgccat 240
tc 242

<210> 27853

<211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890769H1

<400> 27853

cagagtccca cagaagaaaa acaaaaccct cactgagcgc tgctgctttg agagagagat 60
 ggctccgaac cttgaatgtc gtatgtacga agcgaagtac ccggaggtgg acatggcggg 120
 gatgatacag gtgaagaaca tagcggacat gggggcgtac gtgtcgctgc tggagtacaa 180
 caacatcgag ggcattgatct tgttctcgga gctctctcgc cgctcgattc ggagtgtgag 240
 c 241

<210> 27854
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890770H1

<400> 27854

aaattacaat cttgtcctcg ccatgctgtg gcgccacccg gaaaacgtta aattagacca 60
 agtcaagggt gttcactatt gcgcacgggg tccaagccat ggagatatac ggggaaggaa 120
 gagaatatgc agagggagga cataaagatg ctggtgaaga aatgggtggga tatctacaat 180
 gatgcttcgc ttgactacaa gccattgatg aatgcaagtg aagctccagc agcggatggg 240
 g 241

<210> 27855
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890771H1

<400> 27855

ggaccgaatc ctgcattgag gccaat AAC actgaagggt ctcaaaagggt cgggcagaag 60
 aggggtagat tgaatattga ggaagaggat gattcacagc ccaaaaagaa ggttcgtttg 120
 ggggttcctg ctacacaatg gatttcagtt tacaatgcaa gactgccaat gaagcaaagg 180

002250"ETTES6

taccattaca atgtagcgga cgcaagatta gcacaacatg tggagagagg gattgctgat 240

gg 242

<210> 27856
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700890774H1

<400> 27856

gcaagacctc ttgtggttat ggggtggcta cagggggacc cttagcctgg ggcttatgct 60

acaataagga attgagtcct gataaattct actgcgatga ctactacaaa ttaacctacc 120

cttggtactcc tgggtgcagca tactatggcc gtggtgccat ccacttttac tggaactaca 180

actatggaaa agctggggaa gccttgaagg tggatctggt gaaccatcca gaatacat 238

<210> 27857
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700890777H1

<400> 27857

tttcttcttt tttagctatc cctctcttga aaaatctaga tctcgttctt ccttgatcta 60

cgttacgctt ttagtgaccg gatctgtatg gatctgaacc agatctacac gccgatgggtg 120

gttttggcct ggtctttcat agatctgatg catggaggct cagatctact gtacagagggt 180

gtgcgattca tgttcgtctc tcttttggaa tctgtttcgt agaaagtcgt ttggtc 236

<210> 27858
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700890784H1

<400> 27858

actaggccta gatatccagt ctcatctaatt ggtggacata atgacaaaca gaattttagg 60

atacaggata ggtcatatca tcatgatcaa tactacaacg ggacaactgg gttttatacc 120

atggcaatgg aggaaggtgc aagagctagg ccatatgcag tgcctttgcc aaggacacct 180
gcagtgcagt tatcgaggcc tcccaattca gggtaacaa ctaatggaca acaccaatt 239

<210> 27859
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700890785H1

<400> 27859

actgaatggt gttgacgtct cctatggagg tgagaatggg tttaatcagg ctattgaact 60
atctgctgaa attctgtcca atgtgaagtt tatccaggaa aagcgactga ttggaaaata 120
ctttgaggaa atcagccagg atactggaaa gtatgttttt ggagttgatg atactctaaa 180
agctttggag atgggagctg tcgagacact tattgtctgg gaaaatctgg atatgaata 239

<210> 27860
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700890787H1

<400> 27860

tttctcggca accaaacatt ccaatcaatt aactcgtatt ttatattatt atttttaatt 60
cgcggttagga attcgttttc tctgatcggg atctggaagg gaagcgaatc gacatggggt 120
tcttggtgac gacgctgac ttcgtagtga tcggaatcat cgcgtcctc tgcaccagaa 180
tttgctgcaa cagaggacct tctaccaatc tatttcacct tactttggta attactgcaa 240

<210> 27861
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700890790H1

<400> 27861

gagatttcaa tttgtcaaca gaaaaaccta atgtctcatc gagactctga ttccaagcgt 60
cgccactcca agttcgatcg agaagcaagt cccaagagat atagaaggga tagtaacaga 120

gtaacctcag atggaggaga tcggagaaac ccaccacatc attctaggcg tgaacccttc 180
gatgctgctc ccaagaaatc aaattcaaat gatcatcatg agaatccgcc ccaacat 237

<210> 27862
<211> 235
<212> DNA
<213> Glycine max
<223> Clone ID: 700890791H1
<400> 27862

cagctctctt attaatgtgt catctttcag atctccaatt tgtttctctt caacatgagg 60
ttcaaattccc ccctgcaatt gctcatcatc cttctggttt ttctatttgt tctctcttct 120
gctgctctcc aaacaacaag aaggcttttg ccaaacaag aaaaaacccc tacccaaatt 180
acatcagata agtttcaggg tggtgaggaa ttgaaaaatg gagaagaaat gtttg 235

<210> 27863
<211> 236
<212> DNA
<213> Glycine max
<223> Clone ID: 700890793H1
<400> 27863

caaggccttc tcctctcagg ataatcgaaa caagtttctc cgatggcgta ttcagttggt 60
ggagcgcagt attcggcacc tcgacttcac tccttctctc ggcatcaaca ccattttcca 120
agtcaatgac ctcaaaaact ccctggcccc tgctaaacgt gagcttcgcc ttgccaccaa 180
acaagctttg cagttgcttc aggacaacta tcccgaattt gttgccaaac aggttt 236

<210> 27864
<211> 237
<212> DNA
<213> Glycine max
<223> Clone ID: 700890794H1
<400> 27864

gaagattcag ttcgggattt ttgcgcttcg tcctcaattt gcagcgcgtg agtgagggaa 60
catggacggt gccgaattgt ccaacataaa gaaatggatt gtgatgtatc ctgtttacat 120

aaactccaaa aaaacgatgg ccgaaggaag acgcattggc ctgcgcaaag cctgcgaaaa 180
ccctacttgc gctgaaatcg gtgattgctg cagctatctg aagcttcctt ttgcaat 237

<210> 27865
<211> 227
<212> DNA
<213> Glycine max

<223> Clone ID: 700890812H1

<400> 27865

gttgatagag gactgttaca taagtgtggg ggatgatgca attgcaataa aaagtggctg 60
ggatcaatac ggaattactt atggaaggcc ttccaagaat atagtaattc gaaaccttgc 120
tggtcgtctt aacgtcagt ctggcatctc aataggcagt gagatgtctg gtgggggtatc 180
caatgtcctg gtggagaaca ttcttgatg ggaatcaagg cgtgcca 227

<210> 27866
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700890817H1

<400> 27866

cgaaaattag gggttgtagt gtagcaggaa gaagcagcaa tggcgccgaa gataacacgt 60
aagggttagca gaaaccctga attgataagg ggaatcggaa agtactcgag gtcgcagatg 120
taccacaaga ggggcatttg ggctatcaag gccaaaaacg gtggcggtttt acctcgccac 180
gaccctaaac ccaagcctga agtcctgct gaaaaaccac ccaaatttta ccctgctgat 240
gat 243

<210> 27867
<211> 227
<212> DNA
<213> Glycine max

<223> Clone ID: 700890822H1

<400> 27867

agatcatttc tgcaattaaa gaagcaggaa atgttaagaa gttctatcca tctgagtttg 60

gaaatgatgt ggaccggact catgcagttg aaccagccaa gtctgcattt gcaacaaagg 120
 ccaaagttcg ccgagctatt gaggctgaag gaattccctt cacttatgtg tcaagcaact 180
 tctttgctgg ttacttctg cccaacttgt cacagcctgg agccaca 227

<210> 27868
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700890849H1
 <400> 27868

gtaatattag ctgtgtatgt attggccagt atatgaactc ttcataact caactagtcc 60
 tcacgaaaag gatgggtata tatgatccat tccatcaagt gaacatgtgg ggggacagct 120
 ttaaaattga tggaagcttg aactcaattg ctcccaaact gttgatgatt aagcctagca 180
 tgcggaacaa gtctgaatgt actcctcacg aatcaaggga accttctgga gatgatcaag 240
 a 241

<210> 27869
 <211> 234
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700890850H1
 <400> 27869

ggaaaacaaa gtatagagtg aaagaatggg tgagaaaagc aagattttga tcataggagg 60
 caccggctac atcggcaaac atatagtga agcaagcgca aaggctggaa atcccacttt 120
 tgctttggtg agggaatcca cactctctga cccctccaag gcacaactca tccacaattt 180
 tgaggctttg ggcgttaatt tgggtccgcg ggatctgtac gatcatgaga agtt 234

<210> 27870
 <211> 230
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700890867H1
 <400> 27870

gaaggattta agttggatgt ccaaccagga aacacctact tgctaagaat catcaatgct 60
gcactcaatg aagagctatt cttcaaaatt gctggccatg aactcactgt tgttgagggt 120
gatgcagtct acacaaaacc attcaaaact gataccattg tcatagcacc tggccagacc 180
acaaatgtgc ttctaacaac caaacatgca gcaggcaaatt acttggttgc 230

<210> 27871
<211> 228
<212> DNA
<213> Glycine max

<223> Clone ID: 700890868H1

<400> 27871

tctgaatctg cgtgtgtttg tgaattgttg ttgagatctg aatcaaaatc agaaacgata 60
atggctacac cggaccacct cttcaacctc cgcaacaact tctacctcgg cgcttaccaa 120
gccgccatca acagcagcga cgttgccaac ctctccaag aagataccct cgagcgcgac 180
accctcgtcc accgctgcta catcgccctc ggccagctcc agttcgtc 228

<210> 27872
<211> 222
<212> DNA
<213> Glycine max

<223> Clone ID: 700890891H1

<400> 27872

ggcatcccca tcatctgaaa ggacaaattg tacttccgtg gttgatgttg gcttatgcaa 60
gcctgtttct ggtagattcc tgggtagatc ttttagagga agggatcgca ggaagatgat 120
ctcatggaaa gacatgaaac ttaattccag ctgtatctaa tagtggtagg ttcctgtctg 180
gatcttccag agggtaggat caaattgatc ttatgtgaag at 222

<210> 27873
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700890919H1

<400> 27873

taccacttca acaaactggt gctgctttga aaaagtctga tgggttcaag attcccatct 60
 catcagctca gcaatggcct gtatgtatca ggccggcctg aacagccaaa agaaaagact 120
 cccacaatga gctcagttgc catgccctat actgggtggtg acatcaagag gtcgggagaa 180
 ttaggcaaaa tgtttgatat cccaatggat ggctctaaat ctagaaaatc cggtcccata 240
 a 241

<210> 27874
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700890922H1
 <400> 27874

tgggaacatt ggtgacggtg gctggggcca tgttgatgac cttgtacaaa ggtcctatgg 60
 tttggaccaa agatgcacct cataatgggc aaatcaataa tgcaacaaat accacaacat 120
 attcagacaa ggattgggtc ataggctcta tcctcctaatt cattgccact cttgcctggg 180
 catccctctt tgttttacia gccaaagcca ttgaaaccta caaaaatcac cagctaag 238

<210> 27875
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700890927H1
 <400> 27875

ttaacatata caaattctct gtgttggtgt gtgtacttgt gttaattgtg ttgttggtgt 60
 aggaaattta agtgaagaga gaatgatgat gaagtctgct atgtgtgcat tggtgcttgt 120
 ggactgggtt gtggttgaag tggggcccat ggctgaggct gcggtgactt gcaacccaac 180
 acagttgact ccttgtcttc cggcaattaa ttcaggttct gcaccttcga gtgcttggtg 240
 cca 243

<210> 27876
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890935H1

<400> 27876

gaaagatctc tacataaacc aagctattca aatggatgtg gctggtaatc gcaaggctgt 60
agtcattctat gtgcctttca gattgaggaa ggcattccgc aagattcatc ttcgacttgt 120
cagagagttg gagaagaagt ttagtgggaa ggatgttgctc ttgattgcca caaggaggat 180
cgtgcgaccg ccaaagaaag gctctgctgt tcagcgaccc cgaacccgca ctttgaccg 239

<210> 27877

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700890958H1

<400> 27877

tttctctctg tctcgtttac acatctctcc aacctttcac tttcgtttct cagttttatt 60
cgaatccctc tctcaatctc ctttccaaat ggccagcgtt gaggttgacac agcaaacacc 120
aacaacagtt ccagaaaatg aaacaaccga ggtaagcaag acccaggaaa caaccccgat 180
cactgaggct cctgcaacag aacaaccagc agctgaggtt cctgcaacag aacaaccagc 240
cg 242

<210> 27878

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700890962H1

<400> 27878

acttactgca ctgtaagtag ggcaaaccct tatattagta cattaaaagt taaaacatcc 60
acccttgata tgaaaactat tcacattaag tattttttata aagtagtttc attatgctca 120
ttgttcatac aataactaaaa aagttatttt tagaattagc gtagttttca ctggtggcctt 180
cttttaaagg tggaagcaat ggcacatcct ttcttttgagg agcttcgcga gcccaatgcc 240
cggctaccta a 251

<210> 27879

<211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890975H1

<400> 27879

gtggtggcaa tgggtagcga agaagagagg gttcttgaga atcaactgga acttcaattg 60
 caagagcaaa gggattctct ctctgctatc ggtcaagctc ttctctctga tccaactaac 120
 cctgaacttc tggcggttca tgaggagctt gttcaggcaa ttaaggatgc agaagaagga 180
 cttcttcacc taaaacgtgc acgattgtta caggaagcag attcagtgc gcataaca 238

<210> 27880
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890978H1

<400> 27880

atcgaagctt tgggtttgat acgcagccag tcctcattgg gctcatcata tttcagcata 60
 ctgtaatccc acttcagcaa ttggtcagct ttggtctgaa cctagtcagc cgatcatttg 120
 aatttcaggc tgatggcttt gccagaagc ttggatatgc atctggatta cgcggtgggc 180
 ttgtgaaact acaggaggag aatctgtcag ctatgaatac agatccttgg tactctgctt 240
 atcact 246

<210> 27881
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890988H1

<400> 27881

aagacatgcc ctgctgcaat gggatttgca tttgctgctg gaacaacaga tggacctgga 60
 gcttttgact ttaagcaagg tgatgatcag ggaaatcctt tctggatgct ggtccgtaac 120
 ttgcttaaaa cgccaggcaa ggaacaagta gactgtcacc acccaaagcc cattttgctt 180
 gatactggcg aaatgaagct accatatgat tgggcgcctt caatacttcc tate 234

<210> 27882
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890989H1

<400> 27882

cttttctaag tgctgtgatt ctttctttca tctttttctt caggtcctaa agcatacttg 60
 tgatttcctc cattatttcc ttgagattt ggacagtagt tggtcataca cccaattcta 120
 aattagagtt gggatgtctg gaggagtagt ttgatacagt gatgcatctc cacagatact 180
 tgagtaaagc tatatgctgt ggtgtagatt ttactatgg agttaaagtc aagtta 236

<210> 27883
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891002H1

<400> 27883

gccttatcct ttggatatga gaggcgagct agatgacact gctgctttca agaacttcaa 60
 gaaatgggga gacattgaat ttccactgcc atttggaagg gttatgagtg ccaccgagtc 120
 ttccattcat ggattagatg aaaagacaag tgcacacctt aaattcacag tgttgaaccc 180
 aaagggccga atttggaaca tggtagctgg gggaggtgct agtgtcattt atgctgatac 240
 ggtaggagat cttggctttg catctg 266

<210> 27884
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891006H1

<400> 27884

gttggttttc tttttttcat ttgcattgca aagcaaaaac cttgcaaatt gcaatggctt 60
 ccaacaaggt tattgccacc atcttggttc tttctctcct tgcctactca acatcattca 120
 ccaatgcatg tggcacatgc cacccaaaac ctactccttc tccccctcct ccatcaggga 180

agtgcaccaa ggacacattg aagctagggg tgtgtgctga tgttctagga cttgttaatg 240
 ttgttggttg ttccccctgtc tcta 264

<210> 27885
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891069H1
 <400> 27885

gcttttcatg ccaaagggtga aataattgct gttgcatctg gccacaagtt gtacatatgg 60
 caccacaaca agaaagggtga agcatcctct ccaatatttg tgttgaagac aaagcgctcc 120
 cttcgtgctg tgcattttca cctcatgcc gcaccatata ttttaactgc agagggtcaat 180
 gatcttgatt cttcagattc ctcaatgaca gaggctacat ctcttggtta tttacaatat 240
 cctccgctg ctgttttt 258

<210> 27886
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891081H1
 <400> 27886

ctagctggat aggtcaaaca tcatcatgtc ggacgaagag caccatttcg agtccaaggc 60
 agacgccggt gcctccaaaa cctaccctca gcaagccggt accattcgca agaacggcta 120
 catcgatc aaaggacgcc cctgcaagggt tgtggaagtt tcgacttcca aaactggaaa 180
 gcacggtcac gccaagtgcc actttgttgg aattgatatt ttcactgcca agaaacttga 240
 ggatattgtg cctctttct 259

<210> 27887
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891085H1
 <400> 27887

gtcacaggggt tactctaaat gtttatgact tgagccaagg tcttgacagg cagctttcaa 60
 tgtcctttttt ggggaaagct attgaaggca tatggcacac aggagttggt gtttatggta 120
 atgagtatta ctttgggtggg ggtattcaac actctcctgc tggatcaact ccatatggaa 180
 ctccactaag agtggttagac ttaggtgtga cacatgttcc caaggatgtc tttgaaatgt 240
 atttgcagga aatcag 256

<210> 27888
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891088H1

<400> 27888

ggacacaaga aaagtggtgc ctttagaagg agctcatggt cacattgttc acttgtctga 60
 ttcaagtgtc tccttggatc tgattaagga agcaaaaagt cgtggtgaca gcataagtgt 120
 tgagacttgt cccattact tagctttctc atctgaagag ataccaaatg gagatactcg 180
 ttttaagtgt tccccgccca ttcgtgatgc ttataacaga gaaaaattat ggggggctgt 240
 attagaggga cacattgacc 260

<210> 27889
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891113H1

<400> 27889

ctcgggagca aatgaaaatt acagaactac gccttgcaaa gctcttttca agtagagaaa 60
 acatttcttc tacagctgat aagaattcca ctgctagaaa ggcagaagaa gatcgtataa 120
 gcattatcag tagtcacatg actgctactt cagagagtcc aacaggcaaa tcaattcagc 180
 atcctgccag aacccgccct cccattacca ctcacgtgtt ggatgtttcg cggggggctc 240
 cagct 245

<210> 27890
 <211> 243
 <212> DNA

<213> Glycine max

<223> Clone ID: 700891121H1

<400> 27890

gtcttccctt actggcttat cactgttctc atcatcattc tcttcatagg gacttcttca 60
 aggtcattct ttaaaggaat tgagatgtgg agggaagaga ctattttcaa gagagaaaag 120
 accaagcaac gggcgacgtt ggttgattct catgggtgaag ataagacagt tagaatcgac 180
 acaaaatgat aaccgctgat tcctaaagaa gagaagtcaa ctatacaaat tttatgtctc 240
 aac 243

<210> 27891

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700891125H1

<400> 27891

ggattacaac aagttctatg aggctttctc taagaactta aagcttggtta tccatgagga 60
 ttcccagaac aagggaagaa ttgctgaatt gctcaggtac cactccacca agagtgggtga 120
 tgagctgaca agcctcaagg attatgtgac caggatgaag gaaggtcaga gtgacatcta 180
 ctacatcacc ggtgaaagca agaaggctgt tgagaactcc ccattcttgg agaagttga 239

<210> 27892

<211> 246

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700891135H1

<400> 27892

caagttctgg atctgaagga ggagatccgc atatcatcga tgagaggaag cggaagagga 60
 tgctgtcgan ccgcgagtcg gcgcggcgat cgcggtgag gaagcagaaa cagctggagg 120
 atctgaccga tgaagttagc agattgcaaa gcgcgaacaa gaagcttgcg gagaacatag 180
 aggccaagga agaagcgtgc gtcgagaccg aagcggcgaa cagcattctg agagcacaga 240
 caatgg 246

<210> 27893
 <211> 64
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891144H1

<400> 27893

aaattattgt atacattatt aaatgagtcg ttatatagat aacataattc tttgtgaact 60
 tgat 64

<210> 27894
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891145H1

<400> 27894

gcaaggaccc ccagccatga tgcctccaca agctggattt ggataccagc agcaactagt 60
 tcctggaatg agacctggtg gtgggtcccat gccaaagcttc tttgttccta tgggttcagca 120
 aggccaacaa gggcagcgcc caggggggccg ccgaggaaca ggtcctgtgc aacaacccca 180
 acagccaatg ccaatgatgc agcagcagat gcttccaagg gggcgtgtct atcgttaccc 240
 t 241

<210> 27895
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891146H1

<400> 27895

ccacttgcat ccaagcactc gaaacaagag cttcactctt cgaaacaatt cgctgtttac 60
 cagattctct tcacgatctc gaacacttaa agcttctcta caattcaatc ttgcgtgatc 120
 gcaagcttcc tggctctgcy tggaagcgcc acaacgtgcy ctacagagaa attccaggga 180
 aactttgctc cctcactatt aaaattcagg aacttaaaca gaggttggct tctgggtgaaa 240
 ctgg 244

<210> 27896
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700891152H1

<400> 27896

gaaattcgta agttataact gacaaagttt tctgagaaaa taaggattat tattatcgag 60
agaatggcag gtcctcgga ggagggacaa gtcattagct gtcacaccgt tgacgcatgg 120
aacgatcaac tccagaaggg caaccaatcc aagaaactca ttgttggtgga ttttactgct 180
tcttggtgtg gaccatgccg ttctattgca ccattcttgg ctgagctggc taagaagttc 240
a 241

<210> 27897
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700891163H1

<400> 27897

cacgctcttc gcattctccg ccaccttctc aattctcttt cgattatctt tgcattcttg 60
caccaacctc catggccacg aacacgttca cgggagcatt actctccgaa cgttgtctcc 120
gtctcaactt gaataagaga ttggcctagg atcttcttca tcaatggatt cctttgcttc 180
ttggaagata aatggcagcg gaatggggaa ggaagagaga gaggagacgc cacttcaagg 240
agaag 245

<210> 27898
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700891167H1

<400> 27898

ggaaaagtga aaaccagaag tacgaacgaa agagaagagc gatttagaag tgagagaaga 60
tggggttgtc gttcacgaag ctgttcagca gggtgtttgc gaagaaggaa atgaggattc 120

tgatggtagg tctcgatgct gctggtgaaga caaccatctt gtacaagctc aagcttggag 180
 aaatcgtcac cactatcccc accatcggat ttaatgttga gactgtggag tacaagaaca 240
 t 241

<210> 27899
 <211> 235
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891173H1
 <400> 27899

cgatcactct cagcgctcc tatattcgct cctccaccgt cgctctctcg aacaaccaca 60
 acaccatctt catcacatgg caaacgcagc atctggtatg gcagtccatg atgactgcaa 120
 gttgaggttt ttggagctga aggcaaaaag gacacaccgt ttcatagttt ttaagattga 180
 ggagcagcag aagcaggcca ttgtggagaa gcttgggtgag cctgcccagg gctat 235

<210> 27900
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891184H1
 <400> 27900

ccattttgca aaaagttttc aattgaacca cgcgcacctg agttctactt ctctcagaag 60
 attgactacc tgaaggacaa agtacaacct tcttttgtga aggaacgtag agcaatgaag 120
 agggagtatg aagagtttaa agtgcgagtt aatgctttgg tagcaaaggc tcagaaaaca 180
 ccagatgaag gatggactat gcaagatgga acttcatggc caggaaacaa ctcacgtg 238

<210> 27901
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891194H1
 <400> 27901

atatagccca agccctatac aaccaaacc taacacacac ccatttgatt cagtttccat 60

ggctagcctc aaggttgcac ttttggtctgc agtgctctgc atgggttgtgg tgagtgcacc 120
 catggcacat gcagctatca cgtgcgggca ggtgacgaat agcctgatca attgcatcgg 180
 ttacctccag aacggaggaa cgccgccgtc gggatgctgc aacggagtga agagcctc 238

<210> 27902
 <211> 278
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891201H1
 <400> 27902

cactgatctc cattccccatt ccatggcttc cactgaatca tcccccttca agaaaattca 60
 gattcaaagg gatgacacta catttgacgc atatgtgggt ggaaaagagg atgctcctgg 120
 aattgtttgtg attcaggagt ggtgggggtg ggattacgaa attaagaacc atgccgtgaa 180
 gatttctcag cttggtagtg ggttaaagct cttattccag atttatacag aggaaagggt 240
 ggtctggatg ttgctgaagc tcagcatttg atggatgg 278

<210> 27903
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891207H1
 <400> 27903

tgatttttgg aagtgaattt tttgaagaat atattggaca acttgcactg gcttcttttag 60
 catctataga aattgaggaa gactcacagg atcctgaagt ttgaggcaga gaattcaaga 120
 aaagatgaaa gcttggcaga aggaaaggga gcaaaagctt tcaacatttc tgaaagatcg 180
 cctgcaacca tttgttgatg gtcgagaaga tgaatttaca gcatgggcaa aatcagaagc 240
 acgtagtctt tctaaagctg cttttggaga 270

<210> 27904
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891210H1

<400> 27904

ggtgagcaaa tatggagctt tgttggcaaa catccatcca tggttcttga agaagcatgg 60
 agataaaggg gtgtgagagg gtccctacca ctcacactcc tccacttaaa acagtttggt 120
 ttggcttagc tttggcttct ctaatcaaca agggatgtgt tctaacattc tctcttgagt 180
 ggcagaagca gattgcattc tccaaaggag gagaggcttt ggctacagcc tggcaaaccg 240
 gcaagtcacg aaaaggcaat ggact 265

<210> 27905

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700891217H1

<400> 27905

aaacgaacga agacagcgaa ggagctacgc tgcgagattt agaaattgaa tccctaattt 60
 cgagggttccg actcctgtgg agtgatcata tagcgaattt tgtgttagcg aatcaatttg 120
 cagagtaagg aataaggatg ggaaaaaacc aagcctacaa agctatgcag agagccaggc 180
 tcggcgggcgc ctccgccggc cccgacgagg ttgaagacgg catggtggat ggttcatttc 240
 attcaccaga atggcatgca gctcgtttgg ctagc 275

<210> 27906

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700891219H1

<400> 27906

gtgtaggtcc ttcgaagagc agcatgccgc atgtcatcga tgggatattg aatgcggttg 60
 aggttatgaa gttgaacaat tctcgcagta gtcttgatgg agaggtttgt gctgatttag 120
 ttatgaagag ctggctcgacg aggaataata caggtagtct gtttactttg gtggctgctg 180
 tttgcattgt gttgagcttg tccatagtga ttcgtaggag gttgattggg tcgaggggaat 240
 ctgtgtcttg gtcaagggtg cctgtgaat 269

<210> 27907
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891221H1

<400> 27907

gcgagctctt cctcgagaag ttgatccagt ggtttacaat atgttgcag aagatcctgg 60
 taatatcagc tattcagctg ttggtggctt atctgatcag atcaggggaat tgagggagtc 120
 aattgaacta cctctgatga atcctgagct ctttcttcga gttggaatta aacctccaaa 180
 ggggtgttctc ctttacgggc ctctgggtac tggtaaaaca ttgtagcca gggctattgc 240
 cagtaatata gatgctaact tcctaaa 267

<210> 27908
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891229H1

<400> 27908

gtgccagggtg gttatggagt ggccactgga ggacctttgg cctgggggtct ttgttacaat 60
 catgaaatga gtcctatgca gtcatactgt gatgactact tcaaactcac ataccctgt 120
 actcctgggtg ctgactacta tggacgtgga gccattccca ttttttgga ctacaactat 180
 ggtgctgtcg gagaagcttt gaagattgac ctactaagcc atccagaata catagagcag 240
 aatgccaccc ttgctttcca 260

<210> 27909
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891231H1

<400> 27909

ctcttaagga ggcttttgag atcttttgca acaagggtgt tgctggaagc tcaagtgcag 60
 aactgcttgc cactttctgt gacaatattc ttaagaaagg aggaagtga aaattgagt 120
 atgaagcaat tgaagaaact cttgaaaagg ttgtcaagtt gcttgccat attagcgaca 180

aagatttggt tgctgaattt tataggaaga agcttgctcg aaggctcctt ttgacaaga 240
gtgccaatga tgatcatgag 260

<210> 27910
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700891232H1

<400> 27910

gtctccgatt ctttaatcaa cttcaacctg aattcatggt ggtccaaagc acaagactta 60
gattagtgtt catgcaatct attatgcctc gttgcttcta agctctcacc tttatttcat 120
tctcaagttg gtcgcaaaag cttgggtcaaa agcttctgtt gagcagtgc gaggttgga 180
cataaggcag gtttgccaag gatattggaa gtactagtac ttatctgttg caaatagtac 240
tcgtttccat aagcaacttc t 261

<210> 27911
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700891241H1

<400> 27911

gaatggcaaa gccaatgctt tggactcaga tatggctctt tattgtcga gtgtgtgttc 60
tgaattttgt tctgaacttc aagatcgtgg cagtagcaga tgacactgga agcaacagta 120
ttgtatcaga aggtgactgc aagaacacaa attatcagat tttcctccct ccaccttacc 180
agaatatatc ctctaccata tgcaaacctg tttggcattc atacgaattg aggtacacca 240
agacgggtga caccacaact at 262

<210> 27912
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700891243H1

<400> 27912

gcctggatca cttgctccaa ctggattgta tatcgggtggc accaaataca tggatcatcca 60
 gggtgagcct ggtgctgtca ttcgagggaa gaaggggcct ggtgggtgta ctgtgaagaa 120
 gaccggtgcg gccttgatca ttggcattta tgatgaacca atgactccag gtcaatgcaa 180
 catggtagtt gaaaggcttg gcgattatct cattgatcag ggtctctaata ctttgcttta 240
 tgtcttgta tcgtgcata 259

<210> 27913
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891246H1

<400> 27913

aggaaactag gtgttcattt tttagcaaga gaggccttca tcaagtggga atgtggatgc 60
 atgaatgcca ttgtggagca tcatctactt catttgattg tttaggggta aacaatgggt 120
 gggatctccc aagtagttta tgtccctggt gtgagcctag ctctccggta tcagagcagt 180
 tgcattgttg gagagactac tataagtgga gatgcatccc gctagactcg cctgttgctt 240
 tgcttcttca atggcca 257

<210> 27914
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891247H1

<400> 27914

gagatgacca gcctcaagga ctatgttacc aggatgaagg aagggcagaa tgacatctac 60
 tacattactg gtgaaagcaa gaaagctggt gagaattccc ctttccttga aaagcttaag 120
 aagaaggggt tcgaggttct ctacatgggt gatgctattg acgagtatgc tgttggtcag 180
 cttaaggaat ttgagggaaa gaagttgggt tctgctacta aggaaggcct gaaacttgac 240
 gagagcgaag acgaaaag 258

<210> 27915
 <211> 256

tctcgccgca ggtggccac cgccc

265

<210> 27918

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700891274H1

<400> 27918

cacagatcac agaacaagag ggtcaccctc cactttgcat tataatctgac gtgttccttg 60

gctgggttaa caacgttgca aagacttttag gtattaggaa cctaagcttc accacttggtg 120

gtgcttatgg aactttggcc tatatttcta tctgggtccaa cctacctcat aggaaaacag 180

actctgatga gttccatgtt ccgggggttcc ctcaaaacta caaattccac cgcacccaat 240

tgcataaatt tctaaga 257

<210> 27919

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700891275H1

<400> 27919

agattttcag actatgctct tgtgataaga gcattgggat cactagaagg cacagctaaa 60

gctctggatc ctgattttta agtcattcag agtgcataac cttttgtcat tgggagactt 120

attgcagacc caagccctga tatgagaaga attctgaggg aacttctcat tcgtaacaat 180

ggatccataa ggtggaatcg tctagaacgc ttggtagcag caatctctga acaagcttct 240

gagataactg gagac 255

<210> 27920

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700891277H1

<400> 27920

tcttgaacga agagacagag gtgggttgaaa aaaatagagt aaacagagaa cactctgaga 60

ataacagaga ccggaagttg gaggcgaagt tacggttctt caaagagctt gaagagtcac 120
 tgagggagag aataataatg gagtcagaaa aagcaaggga agaattctgac tctgttcac 180
 ctctggttct gacgaggtgc aaatctgaac ccgcgagaa cgcacaaaaa ctcgacctg 240
 aaatgaacgg gctt 254

<210> 27921
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891283H1
 <400> 27921

aaacactcat aacacaaagc acaaagcaaa gtcattcctt gagttaaaaa atggcagcag 60
 cttcttccat ggctctctca tccccatcct tggctggcaa ggccgtgaag ctgggcccat 120
 cagccccaga agtgggaagg gtgagcatga ggaagaccgt caccaagcag gtctcctcag 180
 gaagcccatg gtacggccca gaccgagtca agtacttggg cccattctct ggcgagcccc 240
 cgtctacct aaccggtgag tt 262

<210> 27922
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891296H1
 <400> 27922

ctgccgtgat gaattccgta cctccatta ctttgtact agcaatcatt tttcgattgg 60
 agcgcagtaa ctttaaggag ctaggatgta tagccaaagt gattggcact gcagttagtc 120
 ttggaggtgc ttttctaatt gcaactgtaca aaggctcctg tggttaacatt gcaggctcat 180
 cggctagcca cgtgggacag cctgagaatg tgaacgacct ttctggcagt cactggctca 240
 ttggtgcatg ttt 253

<210> 27923
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891301H1

<400> 27923

atggagtcaa ggctttttaca caggatctaa tagcaggtgg gactgagagt tcagcagtaa 60
cagtggaatg ggcaatcaca gagctattga gaaggccaga gattttcaag aaggcaacag 120
aggagctaga cagggttaata ggtagagaaa gatgggttga agagaaggac attgtaaatt 180
tgccttatgt gaatgccatt gcaaaggaag caatgaggct gcaccctgtg gcaccaatgt 240
tggtgccaag acta 254

<210> 27924

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700891302H1

<400> 27924

caaagaatgc aggtccgttg tcaatcaata tggacaaaca atcttggaat tgctcttggc 60
tgaagcaaag ccaaaaaaga tctgctcaca aattggattg tgtacctttg atgggactca 120
tggtgttagc atgggtatcg agagtgtggt ggataagaat gaaaaaaaaat catctggtgg 180
cattcgggat gctggttggt ctgcatgtga gatggctggt atttgatgc agaaccagct 240
gaggcagaat 250

<210> 27925

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700891306H1

<400> 27925

attcttccag aatcatcaaa gccatcaacg ggcttgactt ggcaactagc tggaagatga 60
agcaagcaac tcttttcttc ttctcactct tcctactcct ttctccacc accatggcca 120
tttcaccagc acctgcagca gcacaaaaag ccacagcaaa aactcctcct accccaaagg 180
caacagcacc atcaccaaaa ccattagtgc ccacaatacc tcagtctcca gactctcctg 240
actcgggt 247

<210> 27926
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891310H1

<400> 27926

ggggtagaag agacttctgc tgcagcagat gttgcaaaaa ttcctgatga atccgcttct 60
 acagaaagtg aagatatcaa attggatggg gtgaaagaga cattagctgc agcagatggt 120
 gcaaaaattc ctgatgaatc tgccccctta gaaagtgaag atagcaattt ggatgtggtg 180
 aaagagccgt tagctgcagc aaatgctgaa gttacaaaaa tttctggtga attggtttct 240
 gta 243

<210> 27927
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891312H1

<400> 27927

atgagaatgt ggaggaaggg tcgttttatg agtactatta tgggaagaga aaaggagggt 60
 ggaagagggt cttctcttac ggcaactctg attcttgtgc ttggatttgg ttgcaaattg 120
 gttggagaat tttggtgagc ttcggaattg cgctgcttgt gttctacatt gctacaaaac 180
 ctccatcacc caatgtctcc gttgagatcg caaggtttcc agaatttaaa ctacggaag 240

<210> 27928
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891313H1

<400> 27928

tcttaagctc gccgacttcg gttcggcgga gtggttcggc gacgggagga gcatgagcgg 60
 cgtggtgggg acgccgtact acgtggcgcc ggaggttctg ttggggaggg agtacgatga 120
 gaaggttgat gtgtggagct gtggggtgat tttgtatata atgttggcgg ggattccccc 180

002220.ETTES60

tttttacgga gactctgctg ctgagatctt tgaggctgtg gttagggcta acctcaggt 239

<210> 27929
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700891320H1

<400> 27929

gccaaaggta agtgcaagcc ggccaccctg caaataagtt atacatagac gaaaatgcaa 60
agttgtcctc atctaatacta aagctgccaa agttgactgc atgccagcca ccctacaagt 120
aagaagccaa gattttgctt gtgattattg gttatttaga tgccctgaaat ggatgccgag 180
aaagtgggtgc atactggagg ctgccattgt aagagtgtaa ggtggaaagt ggttgcttct 240
tccagt 246

<210> 27930
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700891322H1

<400> 27930

gttgtaactc gttcttcttc ttttgttgtt ctgtgtttgt gtttgttttt tctctcacct 60
gaaaatgtct tgctgcggtg gtaactgtgg ttgcggaagc tcttgcaagt gcggcaacgg 120
ctgcggaggc tgcaagatgt acccagactt gagctacact gagtcaacca ccaccgagac 180
cttggtcatg ggagtggcac ctgttaaggc tcaatttgag ggtgctgaaa tgggtgtgcc 240
cgct 244

<210> 27931
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700891331H1

<400> 27931

attaggtctt ggaccgaccc ttttgtgtaa gtgcaatggc catggctaag cttgtatgtg 60

ttctgcttct ggcattcctt ggcatttcca tgatcacaac tcaagttatg gcaacagatt 120
 ctgcctatca cttggatgga aggagttatg gacctgggag tctaaagacc tcacagtgcc 180
 cttctgaatg cacaagaaga tgtagccaga cacagtacca caagccgtgc atgtttttct 240
 g 241

<210> 27932
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891332H1
 <400> 27932

cccacttgctg cctgtggctg ccagaacagg aggaactgtg tcaagagtga ctctaaacgt 60
 atcaacatgg tggggattca cactccaaag aaagacaatg aaccattgct acagtgcact 120
 catcatatgt gtccaataag ggtgcactgg cacgtgaagc tcaactataa ggactattgg 180
 cgagtcaagg ttgctgtgac gaatttcaac tacaggatga attactccct ctggactctt 240
 gctg 244

<210> 27933
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891333H1
 <400> 27933

ctcgacaatg aagccattta tgacatctgc aggcggtcac tggacattga gaggccaacc 60
 tacaccaacc ttaatcgttt agttttctcag gtgatatcat cactgactgc ttccctgagg 120
 tttgatggag ccttgaatgt tgatgtcaat gaattccaga ccaaccttgt gccatacccc 180
 aggattcatt ttatgctttc atcttatgct cctgtaattt cagccgagaa ggctcaccat 240
 gagcagcta 249

<210> 27934
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891338H1

<400> 27934

aaaagattga agcatttggtt ggttcaaaaa cagttatcca gatacgaagt catgcacaga 60
 agtattttct taaagttcag aagaagggaa caagtgaaca tgtacctcct ccccgccaa 120
 agagaaaagc tgctcgcca taccctcaaa aagctcctaa aactcctact gtatcccaag 180
 ttatgggccc attgcaatct tcattcttctt tcattgaacc tgcatacatt tatatcccg 240
 attc 244

<210> 27935

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700891341H1

<400> 27935

ggacactact aggattggga agaaggggtct ttacatTTTT agtttggcaa atagatattg 60
 caactacctt tgtataaatc tatttctgaa gaagcaatta caactttcaa gggatgatag 120
 cattttgtgg cataaggatt aaggaggcat aaaggaccaa ttgctttgga atattcactc 180
 atgacaaggc acaaggatcat gcgtgtatgc caacacatag taatgatgtg tgTTTTtatt 240

<210> 27936

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700891342H1

<400> 27936

gggtgcagat gtctatcctg ctgcacagca aatgctaatt catcaaggga aagttcttag 60
 ggatgcttct accttggagg agaataaagt agttgaaaat actttcattg taattatgct 120
 atcaaagagt aagagcccat ccggtgaagg atctactact tcaactgctc catcaaccaa 180
 ggccccacag acaagtacag ttcttgcttc aaccctcca gcgtcagtag ttctcaag 239

<210> 27937

<211> 237

<212> DNA
 <213> Glycine max

<223> Clone ID: 700891344H1

<400> 27937

gttcaatcct tttcagtcac ctctttgggc acgtttttcac agtaacataa catattctgt 60
 ggaaatatgg caaaacttgg agactgtgca gctcattttt ttattgcagc aatgggtttg 120
 agcacgtttt acgtgaccaa aactgtggca caatcagaaa ttgcaccac atcgcaaagt 180
 gagactggtg caggggtttgc tttgtctgtt tctgggggtga ctttatgttc ttctgtg 237

<210> 27938
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891346H1

<400> 27938

ccgactctta gccgccgac tctcagggct tgcattctct cagctgtgaa gatgtacaca 60
 tcaaggaaga aaatccacaa ggataaggat gctgaaccaa ctgaatttga agagtcagtt 120
 ggacaggcat tgtttgatct ggaaaatacc aatcaggagc ttaaaagtga tctgaaggat 180
 ttatacataa actcagccgt gcaagttgat gtttctggaa accgcaaggc tgttggt 237

<210> 27939
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891347H1

<400> 27939

caagcaacca cttgatcggt cttctgaact tcctaacgtt cctgctgtcg attccgatcc 60
 taggtggcgg aatatggctg agcagcaggg ccaacaacac cgactgcctc aagttcctgc 120
 agtggccgct catcatcatc ggagtcagca tcatggctgt gtccctcgcg gggttcgccg 180
 gcgcgtgcta ccgcaacacc ttctcatgc gcctctacct cgtcgtcatg ttctcgt 238

<210> 27940
 <211> 241

<212> DNA
 <213> Glycine max

<223> Clone ID: 700891348H1

<400> 27940

cggaaggat ctcatttggg ccgattatgg gccgcactac gtgaagggtga ggaagggttg 60
 cacgctcgag cttttcacgc cgaagcgccg cgagtccttc aggcccatta gggaggacga 120
 ggtcaccacc atggttgagt ccgtttacaa tcaactgcacc accactggaa atttagggaa 180
 agcaatattg gtgaggaagc acttgggggc tgtggcattc aacaacatca ccagggtggc 240
 a 241

<210> 27941
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891350H1

<400> 27941

tatggaaata ccctaagttg tgggtgggat tcttgaagtg tgtgcagttg acaaaaccac 60
 agtcatttgg cattttgctt cagctgcctc cagcacaatt ggaaaatgca ttaaataagaa 120
 ttgcagcctt gaaggcacca ttgattgcgc atgcaagcca gccagatata caatctaaac 180
 ttccgagggc tgtgctggtt gttctgggac ttgcttccga ttctcaggtt tcaagtcaag 240
 cac 243

<210> 27942
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891351H1

<400> 27942

aaacactcat aacacaaagc acaaagcaaa gctcatcctt gagttaaaaa atggcagcag 60
 cttcttccat ggctctctca tccccatcct tggtctggca ggccgtgaag ctgggccccat 120
 cagccccaga agtgggaagg gtgagcatga ggaagaccgt caccaagcag gtctcctcag 180
 gaagcccatg gtacggccca gaccgagtc agtacttggg cccattctct ggcgagcccc 240

cgt

243

<210> 27943
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891356H1

<400> 27943

aatcagaaga tgagtcaacc aataagaaag ataagcttct catgggaaaa gaagcctggt 60
 gtctccaaag taacaactac tactcatggt gaaaatctga tcccaaaaga ggaagagttt 120
 ttggccaagt tgccaccacc accttgcaaca ccagaagaat caagtgtctac tcatcatcac 180
 aaaaaccacc accctcttct tgattttcaa attccacttc ctcttgtgc ttttcagcc 239

<210> 27944
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891358H1

<400> 27944

ctcaccatat tcttgttctc atttttctgc cacagtctct caattaggtt cctcaaccaa 60
 ttggccatcc tcatttgccg accacaagat gcaatgtcat tggtagcccc agagtactta 120
 accgagattt tggagaaagg aacttttttg aacactgttg ggaacaggat cttctactca 180
 gcacttcctc ttttgctttg gatctttggg ccagtgtctg ttttcttctg ctcta 235

<210> 27945
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891360H1

<400> 27945

gaaatttgggt cttcttgcaa attggcaaca gaggtttacc atggaagata tactgacca 60
 gctgaagaag gaaatggcgg cttcacataa ccgcaagctt gtccaacctc ctgaaggtag 120
 tcactattag tgtccaagat cacactgata ttggatcata ttgcatttgc agtatgcaat 180

atatagtatg taatactctg gatccttcta aattcaagaa catactgggg aatg 234

<210> 27946
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891364H1

<400> 27946

ctttgtcaag ggtattgttg attctgaaga tctccactc aacatttcaa gagaaatggt 60
 gcaacagaac aagatcttga aggtcatccg taagaacttg gtcaagaagt gccttgagct 120
 cttctttgaa attgcagaga acaaggagga ttacaacaag ttctatgagg ctttctctaa 180
 gaacttaaag cttggtatcc atgaggattc ccagaacaag ggaaagattg ctgaattgc 239

<210> 27947
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891367H1

<400> 27947

aaaaggagat gctttctgaa gcacgagccc gggtggccaa cacaaaagga aagaaagcaa 60
 aaaggaaagc tagggagaaa cagcttgagg aagccaggag gcttgcttct ttacaaaaga 120
 agagagaatt gaaggctgct ggaattgata ttaggcagcg gaagagaaaa aggaaaggaa 180
 tagattacaa tgcagcaacc aaatgggagt gttcctgtta tttagtaacc ttggtgg 237

<210> 27948
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891368H1

<400> 27948

ggttgaagca tgggtggacc aacaacagaa gcctcatggt ttgggatctg ccagttccag 60
 aagaagcaac caggggctta tttcaactgc cacgttcagc tattgaaaaa atcaagcaaa 120
 ttgtggttat gtccaagaag aaagggaata acaacaccaa cttcacttg tcaacgttgt 180

gttatctatt gcatatgcgt tggtttgcag agtgagagca gaagaagtaa aaagtaa 237

<210> 27949
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700891370H1

<400> 27949

gcatggcca tgagcaattt gagatgacag gtttggacce tgagtataat agattgttca 60
atgagggcat ggtgtgcact gctaggggtt tgtccaaggc tgtgatcact ggttaciaag 120
atgggttcaa ccagattaag tccttgggtt atgttgaggg tggcattgga ggttctcttt 180
ctgagattgt tagggcttat cctcacatca atgccatcaa ctttgacttg cctc 234

<210> 27950
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 700891371H1

<400> 27950

ggatgataat agtgcacaat caagtttttg gtccgttgag caggacaga caacagatca 60
gctgaaggga aaacctggga aatctccatt ttctgcatct tcacttgcatt ttgttcttag 120
cagccttatt tctgctattc catccaagct gcaactatca ttttcattct ggaacaaggg 180
gagatcaaaa ccgaagccag ttctctcccc atgcattgat agcttgagta ata 233

<210> 27951
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 700891372H1

<400> 27951

gaaaaggcca aggctaaagg ggtttctttt ttgcttccaa ctgatgttgt catagcagac 60
aagtttgctg ctgatgctaa cagcaagact gtgccggcat caagcatccc agatgggttg 120
atgggggttg atattggtcc tgattccatc aagacatttg gtgaagcatt ggatacgact 180

cagaccatta tttggaatgg accaatgagt gtttttgagt ttgataagtt tgc 233

<210> 27952
 <211> 233
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891373H1
 <400> 27952

gacaagtact tccaaaggaa gcaactgtca agtgtcttgc tgatgcaggc ttcttcctag 60
 atgagaagga tattagtggg aacagtacaa tgagatcttt ctatcatgat gttgcccagc 120
 ttcagggtct tgcaaaaagt ttgcacaaag attgcattgc taaaatggaa ccattctaagt 180
 gtctctttcc atcagaaatt gctaaaaaca taaagactcc actgttcctt gtt 233

<210> 27953
 <211> 229
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891376H1
 <400> 27953

caataaccgg gttgaatata attggctatg ctattgcatt gtgtggagtt gtgatgtaca 60
 attacataaa gggttaaggat gtccgtgcct ctcaattgcc tggtgaaagt ataccggata 120
 ggatcacgaa ggactggaaa ttcgagaaga agtcacgga tatttatgtg ccagataaca 180
 ttggtgacga tgagggaagc agtggagcta atggactgc ttctgatat 229

<210> 27954
 <211> 229
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891377H1
 <400> 27954

aattggtgca gcctatctag ttggtagttg gttccattgg acacaagtga aaactacgtg 60
 ccatggcttc caagaatgta attcttcaat ttgtcttatt ttccatgtgt ttggctatgg 120
 caaattcggc cgagttcaaa tatccagcag ttttcaactt cgggtgattca aattcggaca 180

caggagaact tgctgcaggg ttgggctttc aggttgcccc acctaattgg

229

<210> 27955
<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: 700891378H1

<400> 27955

gaattctcca gagagaagaa gaaacttaat cgatcatcac ttcacttcac taatacatca 60
tggcagacga gacccagaac aagtatgaga gctctgaggt tgaggtccag gatcgtgggtg 120
tttttgactt tctcggttaag aaaaaggatg aagaagacaa gcctcatcct caggaggagg 180
tcatcgccac cgagtttcaa aaagtcactg ttcagacca aggagagaaac 230

<210> 27956
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 700891379H1

<400> 27956

atntagtaaa agcagttcgc aaggcagctg gaaacataga gaaaccattg gagggtttcc 60
atatagttgt tgatgcaggc aatggagcag gaggcctttt tgcagcaaag gttctggaac 120
ctctgggggc aataacttct gggagtcaat ttttgagcc tgatggcttg tttccaaatc 180
atatcccaaa tctgaggac aaaacagcaa tgaaagctat aacccaagca g 231

<210> 27957
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700891380H1

<400> 27957

ccaatatatt ccattctctc tgtgtatttc cctacctctc ccttcaagat gcagatcttc 60
gtcaagaccc tcaccggcaa gaccatcacc cttgaggtgg aaagctctga caccatcgac 120
aacgtcaagg ccaagatcca ggacaaggaa ggaatcccc cggaaccagca acgtctcatt 180

002220"ETT"ES60

ttcgccggaa agcaacttga ggacggccgt acccttgctg actacaacat tcag 234

<210> 27958
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700891381H1

<400> 27958

gaaagaacaa cttcatgata atactgtgtc aatgatgcaa tctcaacatt tctcccagat 60
ggggagggtct gctggtttca gtttgggagg atcatatcca tcacatcgta cacaacagca 120
acagcagcat gccccttctg tcagtagcaa tgggtgtctca ttttcatctg taaacaatca 180
agatcttctc catctgcatg gaacggatat ttttccatct tcacactcaa catatcat 238

<210> 27959
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700891383H1

<400> 27959

cactcattaa ttgcaagaat ggcacttcgt tgcttggtga tgtccctttc tgttctcttc 60
actcttggtc ttgcgagaga aagccatgcc agagacgaag atttttggca tgctgtttgg 120
ccaaacactc ccattccaag ttcattgcga gatcttctaa agcctggccc tgcaagtgtt 180
gaaatcgatg atcacctat gcaaattgaa gaaacacagt acccgaaaac cttctt 236

<210> 27960
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 700891388H1

<400> 27960

ctctgcaggt ccgtgaagaa aattttatta gattattcct ctaatggctg tttgataggt 60
atgtaaattt tgattgcaca agagtctgt agccatatgt taaaagttaa ttatcccgtc 120
ataatatttt acacatgttt caccttcatt gcaagggtgt gtaaagttgt aacatctaac 180

ttgaaat ttt aaatcactgt tagtcccttt ttatttcccc gtccttcatt c 231

<210> 27961
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891391H1

<400> 27961

ccttcgttca ctcttcttct cttgoggcta gggtttttagc gcagttcttc tagatttaag 60
 gaagatgggt aaggaaaagg ttcacatcag tattgtgggt attggccatg ttgactctgg 120
 gaagtccact accactggcc acctgatcta caagcttgga ggcattgaca agcgtgttat 180
 tgagagattt gagaaggaag ctgctgagat gaacaagagg tctttc 226

<210> 27962
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891395H1

<400> 27962

attccaagcc gttggttgcg gagattgaga tttcaaaact tcttgatcca accaaaggca 60
 ctgcaagtat tagtgcagtt gctggttcct ttgggttacat accaccagaa tatgcatata 120
 ctatgcaagt cacagcacca ggaaatgttt atagctatgg tgttggttctg ctggaaatcc 180
 ttacaactag actaccagtt gatgaggatt ttggtgaagg ttagatttg 230

<210> 27963
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891410H1

<400> 27963

gaggaaattg ctgcaagact tttagaagta ttgctgaaca atgtgaagat tcgagaaacg 60
 aaagtaacaa agtcagctat cgtaccatta tcacagtatc ttttggaacc acaaactcaa 120
 gcacagcagg caagggtgtt ggcaactttg gctcttgggg atctgtttca gaatgaggct 180

cttgctcgaa caagtgatgc agtttcagct tgtcgtgctt tagtgaatgt gcttgaagag 240
 caaccaacag aa 252

<210> 27964
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891427H1
 <400> 27964

tggatatgaa aaaggattcc ctggaaggcc agatggtttg cagaagtttc ctccattaaa 60
 ttatgatggg tccacaaaat tgtaaggaa tggttctcag tcttccatgg gaagtctttc 120
 tgtggatgat cttagagcca gcagcatcag aacatctgct gatgaggata ttactagcat 180
 ccatactttt gttgctggga tgaaagaaat ggtcaaaca gaatatgaga agcatcttgt 240
 tgatggg 247

<210> 27965
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891430H1
 <400> 27965

ggaagttctg agcacttctt tgtccctctt tcagaaactg gcttttctaa tttagatgca 60
 gacaaaaggg gagcttcatt aaggagcaaa agattatttg tatcccaaatt ggatgattct 120
 ttgcttgaga gtcatgcac tggtgggcat ggggagagca agtttgatga atttccagat 180
 atgttgaatg atttggaag gctttctgtc tctgattaca acaatgttaa tggttttcta 240
 tcatata 247

<210> 27966
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891438H1
 <400> 27966

ttcacatcca aatctagtaa agttaattgg atattgctgt gaagacgaac ataggggtgct 60
aatatacgag tacatgtccc ggggaagtgt ggaacacaaac ttgttctcaa aaattttgct 120
tcccttgcca tgggtccataa gaatgaagat tgcgtttggc gctgcaaagg gacttgcatt 180
tcttcatgaa gcagagaaac ctgtcatcta tcgagatttc aagacatcaa atattttatt 240
ggaccaggag ta 252

<210> 27967
<211> 250
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700891441H1

<400> 27967

ggangaccac cttgttgtga caaagaaggg gtcaagaaag ggccttggac tcctgaagaa 60
gacatcatat tgggtgtctta tattcaggaa catgggtcctg gaaattggag ggcagttcct 120
gccaaaacag gggtgtcaag atgcagcaag agttgcagac ttagatggac gaattacctg 180
aggccaggaa tcangcgtgg taacttcaca gaacaagagg agnagatgat aatccatctt 240
caagatcttt 250

<210> 27968
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700891448H1

<400> 27968

gggagaggca gaaagaagag aaaaaagggg aatggcatgg ttgcagttgc agagaatcgt 60
gaccaaggga ggtgctaatt tgatctcacc actcccactt tcacgattct tctcgaaatc 120
ttcttcccc tatgttgtga aagttggaat tccagagttt ctaaacggga ttgggaaggg 180
ggttgagtcc cacgttccta agcttgaatc cgaaatcggt gatttccaga agcttctcct 240
cactcgca 248

<210> 27969

<211> 242
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700891459H1

 <400> 27969

 gaagactaca gaaacacatt tgctaacttg gcactacctc tgttttcaat ggctgaacca 60
 gttccaccga aaattatcaa gcatcaagat atgagttgga cagtttgga tagatggatt 120
 ctcggaaca atcctaccct cagggaactt ctcgagtggc tgaaagcaaa gggcttgaat 180
 gcttatagca tctcttggtg aagttgccta ctctataata gcatgttccc taggcataag 240
 ga 242

<210> 27970
 <211> 243
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700891462H1

 <400> 27970

 caatgcctcc cgaggcactt gagatcacia ggaagttcat gaacaaacct gtgaggatcc 60
 ttgtgaagcg tgatgagctc accttgagg gtatcaagca atttcatgtc aatgttgaga 120
 aagaggaatg gaagcttgac acactgtgtg atctttatga gacattggca attactcaga 180
 gtgtcatttt tgtgaacacc agaagaaagg ttgattggct gactgacaag atgcgaagtc 240
 gag 243

<210> 27971
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700891483H1

 <400> 27971

 cattaacatg ggtgctggtg actactacaa aatactgaag gtgaagcatg atgccactga 60
 tgaagaagtg aagaaggctt ataagaaatt ggcaatgaaa tggcaccagc ataagaacct 120
 tgaagaccct cttaggaaag aagagtttga ggccaagttt aaacaagttt ctgaggccta 180

tgatgtgctt agtgacccaa agaagcgcca gatctatgac ttgtacggtc actatcccct 240
taactct 247

<210> 27972
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700891485H1

<400> 27972

tcttgtttct ggaagttagt tgcattctgga aaaagcaaaa gggaagccca aaatagttaa 60
aagggtgctc agttgcaaaa gaaaattgag gaattggcta ttgactacaa taatttacca 120
gtcatgtacc gacaaggatc ctcggtttat agggacaagg tagatattgc tctaattcat 180
caggagaatg gagagtttcc tgaaaattat ggaaaggta ttgtaggaca tattgacatt 240
attgg 245

<210> 27973
<211> 212
<212> DNA
<213> Glycine max

<223> Clone ID: 700891590H1

<400> 27973

gcaatatcaa atgaaagctt cgggtgtaa atgcccgaaca tagttcaatg ggcaaaatta 60
cacattgaga gtggagatat acaaggtatt atcgatccct tggtgaggaa tgactatgac 120
cttcaatcga tgtggaaaat agcagagaaa gcattgatgt gtgttcagcc ccacggacat 180
atgcgaccat caatttcaga agctctaaag ga 212

<210> 27974
<211> 211
<212> DNA
<213> Glycine max

<223> Clone ID: 700891591H1

<400> 27974

cagatctcct aaatctaagg gggagccatt gttgaagaag gcttatggcg aagaaggcgg 60

tgatgacatt gattatgac gcagacagct tagctctgat gaatcccttt cacttgggaa 120
 gactgaggat gattcagctg caaatcgatc atcagtgtct gaatttgggg atgacaattt 180
 tgctgttggg agttgggagc agaaagaagt a 211

<210> 27975
 <211> 216
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891594H1
 <400> 27975

cttcaatcct ttcgttattc tcttattcat ccttctcttc tgaataatcc agatctcttt 60
 ctgccctttt ctccgtcacg cttttcgtga ccggatctgt atggatttga tccagatcta 120
 cacgccgatg gtgggttttg ccgggtcttt catagatctg gtgcgtagag gctcagatct 180
 acggtaccga ggtacaacag agaatcgatg acaaga 216

<210> 27976
 <211> 233
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891609H1
 <400> 27976

ggatttgttg agggcttcgg cggaggtgtt ggggaagggg agcgtgggga cttcgtataa 60
 ggcggtgctg gaggaaggaa ccaccgtggt ggtgaagagg ctgaaggatg ttgtggtgac 120
 gaagaaagag ttcgagacgc aaatggaggt tctggggaag attaagcacg agaatgtggt 180
 tcctctcaga gccttttact tctccaagga cgagaaattg ctcgtttacg att 233

<210> 27977
 <211> 234
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891613H1
 <400> 27977

tttgttttta tttgtggaaa aaatgtgcag tgtgatagga acaactgtac ttggaatggg 60

gcattataca gtaatgtatg gacaactcag agaaaatgaa gaagagacaa gctgtgacga 120
 aagctctgat tctttggaca agatggtacc ccttttgcaa gaaaagatgg aagtgtgaat 180
 agaacttcga aagattctag aggcagagga attcacctat ttttcagaat cttc 234

<210> 27978
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891615H1

<400> 27978

ctctgtgtat ttccctacct ctcccttcaa gatgcagatc ttcgtcaaga ccctcaccgg 60
 caagaccatc acccttgagg tggaagctc tgacaccatc gacaacgtca aggccaagat 120
 ccaggacaag gaaggaatcc ccccggaaca gcaacgtctc attttcgccg gaaagcaact 180
 tgaggacggc cgtacccttg ctgactacaa cattcagaag gagagtactc ttcacct 237

<210> 27979
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891622H1

<400> 27979

gtgctttgaa aatgggaaag tttagttcaa gttacagtac ttctgatttt gttcactttg 60
 gagttctact tccctttctt ctgttatcac agttgttctt tcaacttgca tgggtgtggct 120
 ccatagtaaa gttccttcct ggattagagg gacccttcc ttttgttctt gaaaccgggt 180
 atgtgggagt gggatgaatca gaggatgtgc aggcattcta ctacttcatt 230

<210> 27980
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891639H1

<400> 27980

ctctatcacc ccattttctc aaacacctac acaaaatgtg cttcctcaac acaaagtccc 60

tggctcactt catgttgcta acaacaattg tagttggcat tgcaatggga gattcatcaa 120
 aggacaaaga ggaatgcact gagcaattgg caggcctagc aacatgtctg ccctatgttg 180
 ggggtcaagc acaagctcca accccagatt gttgtagtgg tctcaagc 228

<210> 27981
 <211> 228
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891645H1
 <400> 27981

tgcatttctt tcttgggttg cattgcagct gaaatgatta atggctgctg cttgtgtttt 60
 tacactatac tcgtggcagt gcttcttctt ctggaagctt ctctgggtggg attcattgca 120
 cttgatagtg attgggaaaa ggatattcca ctcgatccaa ccggtcaact tgacgagctt 180
 cgagctttca ttgaagataa tatagatatc tgcacatggg ttggcatt 228

<210> 27982
 <211> 226
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891654H1
 <400> 27982

ggtgctggtg actcaatact ttgacaccat gaaagagatt ggagcatctt caaagtcctc 60
 atctgttttc ataccacatg gtcttgccgc agttaaggac attgccatgc agattcgggg 120
 tggctctgctt caggccacca cttcacagaa ttaagctttc ctggagttgt aaataacaaa 180
 tagtagcgtg ccagatTTTT tttcagtaaa tgcttttctt gtttga 226

<210> 27983
 <211> 226
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891660H1
 <400> 27983

gcagcactat tgctaattct ggggcgtttg tcaaggtttc catggatgga gcaccttacc 60

ttcgcaaggt ggacctcaca atgtacaaaa gctacaaaga cttatctgat gccttggcca 120
 aaatgttcag ctccctcacc atgggtaact atggggccca aggaatgata gacttcatga 180
 atgagagcaa gttgatggat cttcttaaca gctctgagta tgtgcc 226

<210> 27984
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891661H1

<400> 27984

gacagatcat ataatttttt ttagcaaaat ccatggcaga tcttcaagaa aaactggatg 60
 ctctgaaggg tcttggtggt gtgctaaata acatggatga gggtgaaact cacaacaaca 120
 atgcaacctc ctcacccaat aattcccata gtctgtctcc tatgcctgga aggaatcgct 180
 ctgttggaaa atataacaac agtggcactc agaagattaa aggtctga 228

<210> 27985
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891664H1

<400> 27985

atcaagtcga atgttttggg tggaaaccga tgaaaaccgc aacacccttc cctctcctct 60
 cccacataaa acccacaagc cccttcttcc cattgggtac cgagaggca tggccaagaa 120
 gagaaaatcc atatccacaa gcctcgacga ggtggatcga accatctact cttccttctc 180
 cagtgcgccc aattccctct ctcacctcta cactctctcc atgaaccacc aga 233

<210> 27986
 <211> 223
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891673H1

<400> 27986

cagaaaaggg tgtgggtggtt ttcaccaaga gctcttggtg cctctgctat gcagtcaaca 60

ttctgttcca agagcttgga gtgatccctg tggttcatga aattgacaaa gaccctgagg 120
gcaaggaaat agagaaagct ataacaaggt tgggggtgcc tacacctgtt cctgcagtct 180
tcatcggagg gaagctggtg ggggtccacca atgaagtcac gtc 223

<210> 27987
<211> 225
<212> DNA
<213> Glycine max

<223> Clone ID: 700891677H1

<400> 27987

tcaagatttt gtggatcccc attgtggaga cctgatggac gagaagataa tgggcaatca 60
atttgaagag ccagaccaac ccatgcagag catcgatacg atcatgcaga taatttcaga 120
agctaccgta ccagcagttg ggacctattc ttttgaccag tttatggagg aacaaattta 180
tgacttggaa tctgaatctg atgctgaatc tgatcttgat ataga 225

<210> 27988
<211> 227
<212> DNA
<213> Glycine max

<223> Clone ID: 700891681H1

<400> 27988

caaattgtag gtcccttata ttttgacatt ggtaagatag cactggagca tattgctgct 60
tatgtttcaa catggcctgc tcctgttcct ggtaagttaa tggatcttcc aattgggaat 120
acaatgctta aagtgaacct gccacctgca cacagcttgc ccatggaaaa tggagtatct 180
cttcatgaat ctgctgctcc tgtggctcct tttcttccta ataata 227

<210> 27989
<211> 223
<212> DNA
<213> Glycine max

<223> Clone ID: 700891685H1

<400> 27989

aatggttggtg tctcaagaat caacactgat gctcaaggat ttaacaagaa gctcaactca 60

gctgcaacga gtcttcaaaa gcaacttcct ggtcttaaga ttgcggtttt cgacatttac 120
aagcctctct atgaccttgt tcaatcccct tcaaaatctg gttttgtgga ggcaaacaga 180
ggatgctgtg gtaccgggac tgtagagaca acatccttgt tgt 223

<210> 27990
<211> 221
<212> DNA
<213> Glycine max
<223> Clone ID: 700891688H1
<400> 27990

ccattgttgg tgcattcaggg acaccttatt acgatggctt gtttttcttt gatatatgtt 60
tccctccaga gtatcccagc gaaccccta tgggtgcatta taattccggc gggctacgat 120
tgaatcctaa tttgtatgag tccgggaaag tctgtctgag tctcctaaac acgtggactg 180
gtacagacac cgaagtttgg aaccctggag cttccacaat t 221

<210> 27991
<211> 223
<212> DNA
<213> Glycine max
<223> Clone ID: 700891689H1
<400> 27991

caccgattgg ctcttcaaga cttgcttctt taccatttca ttcttaaaac cctattcttc 60
ttcgtcatt catcagcaact gccatcagcc ccaacctccc cacaaggta cagggaactaa 120
agagggtgtac caccatgtcg gacgatgaaa gggaggagaa ggagttggat ctctcttctg 180
cagaagttgt aaccaaatac aaaaccgagg ctgagatcgt taa 223

<210> 27992
<211> 174
<212> DNA
<213> Glycine max
<223> Clone ID: 700891690H1
<400> 27992

tcacaatttt tatttttttaa tgatactatt ttgttattgt tattgatggg atcatcatcg 60

ggaaaaagca gagaaatgga tagggtgaag ggtccatgga gcccagaaga ggacgaggcc 120
 ctgcggggcgc tggttcaggc ccacgggcct cgaaactggc cggtgataag caag 174

<210> 27993
 <211> 225
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891694H1

<400> 27993

ctaacaacca cttatccctt ttctccttct aacgagtgcg gaaaaatggc gcgtaagaag 60
 atcagagagt atgactcaaa gaggttggtg aaggagcact ttaagagact ctctggcaag 120
 gagttgccga tcaagtctgc acaaattacc gcatcaactg atttcaactga gctacaagag 180
 aaggaaccct ggctttcatc ttctaaattg gttgttaaag ctgac 225

<210> 27994
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891695H1

<400> 27994

caggacttgt cacttaggag acttaatgaa tatcaaagc atctccgaac acttcaaaaa 60
 gaaaagtctg atgcgcttca aaaggctctg caatgcgtga atgaggtgca ttctctttgt 120
 agtgtgcttg ggttggtatt tggtcagacc gtgggtgatg ttcaccaag tttgcatggg 180
 actcaggtgg aacagtcaac taatattagc aatagcacat tggaagg 227

<210> 27995
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891702H1

<400> 27995

gcatttcgat ggaaagcatc tgttggaacca tgggaggaga gacctgggca ctttgggtgat 60
 gtttggatgt actggactga tgatggactt ggctattatg agtttctcca acttgaggag 120

gacttgggta ctgcaccaat atgggtattt aataatgggtg tcagtcataa tgatcaagtt 180
 gatacatctg cggtcttacc tcttgtgcaa gaagcccttg atggacttga gttcgcgaga 240
 ggtga 245

<210> 27996
 <211> 235
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891727H1
 <400> 27996

ggctgttgta tggaagagga tcaattgtta ctgatttatg aatacatgga aaacaatagt 60
 cttgctcatg ctttatttgc caaaaatgat gactctgaga aatgtcaatt gagattggat 120
 tggcaaacaa ggcataggat ttgtgttgggt atcgctaaag gtttggctta ctttcatgaa 180
 gagtccaaac tgaagattgt tcatagggac atcaaggcca ataatgtgtt gctgg 235

<210> 27997
 <211> 234
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891739H1
 <400> 27997

tctttggatt gagaagacca ctgaaaagga gatttctgat gatgaggacg aggaagagaa 60
 gaaggatgag gagggtaaag ttgaagatgt ggatgaagat aaggagaagg aggagaagaa 120
 aaagaagacc attaaggagg tatctcatga gtggtcattg gtgaacaagc agaagcctat 180
 ttggatgagg aaacctgaag agatcacaaa agaagaatat gctgctttct acaa 234

<210> 27998
 <211> 235
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891747H1
 <400> 27998

cgactcagtt gttgtcagcg agtgagtgag tcgtttctct gcagcaacaa ggtttagcca 60

ctccaaacag acgagaaatg ggtcgtggg tcaagtgtgg tgggtggtcag agttccttag 120
 gttatctctt tggcagtggg gtgcctgcca gcagtgcaaa cagtcagcct gcaaattggtg 180
 ctgcgactca aaatgctagt gctccttcac caccagtoga taagcaaagt ccagc 235

<210> 27999
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891770H1

<400> 27999

gcggctgcca ttgcttatgg gctcgacaaa aaggccacta gctctgggga gaagaatgtt 60
 ctcatTTTTg atctcgggtg tgggactttt gatgtctctc ttctcaccat cgaggagggt 120
 attttcgagg tgaaggccac tgctgggtgat actcacttgg gaggtgaaga ttttgataac 180
 agaatggtga accattttgt tcaggaattc aagaggaaga acaagaagg 229

<210> 28000
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891773H1

<400> 28000

caaccactct taattttctct ctgccttgct catttacaca cctctccaac ctttcacttt 60
 cagctttatt tgaatccctc tctctccttt ccaaattggcc agcgttgagg ttgcacatca 120
 aacaccaaca acagttccag aaaatgaaac aaccgaggta atcaagaccc aggaacaac 180
 cccggaacca gtaccagcca ctgaggctcc tgcaacagaa caagcagc 228

<210> 28001
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891775H1

<400> 28001

caattgacca attagcattg gatttgaaac ctggatcaga gaccttgtcc ttgacatggt 60

ttggaagggtg ttttgacctc ttgcccttaa tcaacaaggc ttttgcaaag cttgttgcg 120
 atattgacta cccaatgagt aaatgggaga ttttttccat tgaagggtac tacttgagct 180
 acaccttgag tttgctagag cttctgaatt ccatttcttc ttgtttt 227

<210> 28002
 <211> 230
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891776H1
 <400> 28002

gtcagaatca gaatcagaag aagcgagcaa agatgtcggg tcgtggaaag ggaggcaagg 60
 gtttgggtaa gggaggagcc aagaggcaca ggaaggtgct ccgcgataac atccagggaa 120
 tcacaaaacc cgccattcgc cgtttggtc gcagagggcg cgtcaagaga atcagtggcc 180
 tcatttatga agaaaccgc ggcgtcctta agatcttctt cgagaacgtt 230

<210> 28003
 <211> 228
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891783H1
 <400> 28003

tgaagaataa atcataaaat tagaacagat aacagctctg gatgaattaa tgtcattgat 60
 gagtttcttc tttctgtatt atttatttct ctggatttga tcacgaaaca ttgaattgaa 120
 ttgtgagcct gttttctctg cagcatagtg ttttgaataa ttttgtgtag tgcccttcat 180
 ctcatcgagc ctcatgcgta atttggtgat gtttctcact gtttttga 228

<210> 28004
 <211> 227
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891785H1
 <400> 28004

cggatgcaag attagcgcaa catgtggaga gagggattgc agatggcctt ctaattagtt 60

gtgtggcttc ttgttccaat ctctgggccc ttattatgga tgctggaact ggcttttcaa 120
 gtcaagttta taagtgtca ccatttttct tacacaagga atggatcatg gaacagtggg 180
 aaaagaacta ttacattact tctattgcag gggctaataa tgggagc 227

<210> 28005
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891805H1
 <400> 28005

tacaagtctt tattatacca atttttgcta ttgcaatcag tatttttggt agtttcacct 60
 ttgctgccat gtatgggtatt gccgttgctg cacttggcat gctgagtacc attgccaccg 120
 gattggccat tgatgcataat ggtccaatca gtgacaatgc tggaggtatt gctgagatgg 180
 ccggtatgag tcacagaatt agagagagaa ctgatgccct tgatgctgcc ggaaacacaa 240
 ctgccgcaat tgggaaggga ttgccc 266

<210> 28006
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891848H1
 <400> 28006

gacaatttaa ggctagattc aggacaaaga gggatatcca ccagaccaac agaggctcat 60
 ctttgctgga aagcagctag aagatggccg aaccttggct gattacaaca tccaaaaaga 120
 atctaccctc cacttgggtc tccgccttcg tgggtgggatg caaatctttg tcaagactct 180
 cactggaaag accatcacc ttgaggtgga gagctctgac actattgaca atgtcaaagc 240
 caagattcag gacaaagaag gtatccca 268

<210> 28007
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891889H1

<400> 28007

aacattctaa tctcattctc cttctgttca aacactctct ctcatggcat cagataagaa 60
gattaggatc ggcataacg ggtttggaag gattggccgt ttggtggcca gggttgccct 120
tcaaaggaat gatgttgaac ttgttgctgt caacgatcct ttcataacca ctgattacat 180
gacatacatg ttcaagtacg acaccgttca tggccagtgg aagcattttg atgtgaagg 240
gaaggactct aa 252

<210> 28008

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700891911H1

<400> 28008

aattcctatc atttctata tcatactaac cttcttttaa caaaaaccaa aatgatgaac 60
aagcaatctg tcttgcttc tcactagcat tgctagtctt atttttgaat tgcaccacca 120
ccttagccca attataacca gcttctgccc ctctcaaacc accccaacct gctcctacca 180
taccagctgc tgctcctcaa caaccattgg ttccttcatt gccacaatca ccaagtgatt 240
ccac 244

<210> 28009

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700891913H1

<400> 28009

gcagcagaat tgtaccggag atgttctttt ggatcagaac tttgtgaatg acatgaattc 60
ttccccatta tatgtagcca taaagcaaaa cgtgttcttc aacgtgctgt ttggaatgac 120
acatcttttc tgaattcaat caatgtgatg gattactcct tgcttggttg agtagattct 180
cagaagcacg agcttgtctg cgggatcatt gattatctca ggcagtatac ttgggacaaa 240
cat 243

<210> 28010

00220-ET-560

<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700891917H1

<400> 28010

gtctggaatc ttcaggtcca aaccaatagc aaggtttcaa atttgtttgc tggaactcag 60
gaaaaatgtg ttgcttgcaa aaaacagttt acccaattga aaaggtagct gttgatggaa 120
catcttacca taaggcttgt ttcaggtgca ctcatggggg gtgtgtaatt agccctcaa 180
attacgttgc ccatgaacat cgtctttatt gtaggcacca tcacactcag ttgttcaagc 240
agaaaggtaa ttcag 255

<210> 28011
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700891932H1

<400> 28011

cgtatataag ctggatttat cttagatact ggcagaggaa accagaaact aaacatagag 60
gtgatctgag tgaagatttg ctttctccac atttttccca gaatttttaa gaccagtcac 120
agaccctatc gcttcaatat ttcacgaat gctctgtgga agatatgatg cttctaata 180
tggtaaggc aacagtctgg aaagtgagcc tttaccaggt tcggactcaa ttgaggcatc 240
caggagacga g 251

<210> 28012
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700891955H1

<400> 28012

gcgtttcgtc gtccctgaag gcacaaaaa gggtttcttat gagagggaca cgaagatcat 60
caatgcggcg tcttcacat cgagagagag gagcacacta tcggcaacat cctccgcatg 120
cagctgcaca gagaccccaa tgtcttgttt gccggataca agcttctca tcctcttcaa 180

tacaaaatta ttgtcaggat acacaccact agtcagtctt cgccaatgca ggcatataac 240
ca 242

<210> 28013
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700891962H1

<400> 28013

gcaaagggat caatataaac cagacagaag cacaagtagt tggagtccag attcatggaa 60
atgaacaaag tatgagacag attctgctgc aaggccactg gaaagaggac ttgaggtgcc 120
tgcacaatta ccagtacctg aggttgatca gtactcttat ttacatacaa acaacttagt 180
ttcctcagaa agcatgtata tgagtggaaa accaatgcac tatectgagt tgcaaaaccc 240
tg 242

<210> 28014
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700891969H1

<400> 28014

tgattgagag gtccacaaac cttgactggt acaaggggtcc aactctgctt gatgcacttg 60
accagattag gagcccaaga ggccctctga caagcccctc aggcttcccc ttcaggatgt 120
gtacaagatt ggaggtattg gaactgtgcc agtgggacgt gttgagaccg gtgtcttgaa 180
gcctggaatg gtggtgactt ttgcaccaac tggactgaca actgaagtca agtctgtgga 240

<210> 28015
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700891975H1

<400> 28015

tcttcttctc ttgcggctag ggttttagcg cagttcttct agatttaagg aagatgggta 60

aggaaagggtt cacatcagta ttgtgggtcat tggccatgtc gactctggga aatccactac 120
 cactgggtcac ctgatttaca agcttggagg cattgacaag cgtgttattg agaggtttga 180
 gaaggaagct gctgagatga acaagagggtc tttcaagtat gcctgggtgc tgga 234

<210> 28016
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891986H1

<400> 28016

gatgattatt gagtctaata attttgaaca gatctgggtgt gacgtgcac acaattgaat 60
 cgaattgaat ttgttgcgt ggttgcagca aggaatgccg ctggtattag cgaaaagcga 120
 ttcgatccag attcgcgagg tatggaacga taacctggaa gaggagttcg cgttgattcg 180
 cgaaattgtg gacgattacc cttacatcgc catggacacg gagtttccag ggatcgt 237

<210> 28017
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891987H1

<400> 28017

ctttaatcaa tcatcatatt tatctttgca actaaaatgg cgtcgtcaca accagagatg 60
 gagcatcaaa gaagggtttt ggttgggctg ctcgggactc atctgggctt ctctcccat 120
 tcaacttctc cagaagagaa acgggggaga aagatttggt attcaaagtg caatactgtg 180
 gaatatgcca ctcagatcta catatgttaa agaacgagtg gggcaacaca acctatc 237

<210> 28018
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891991H1

<400> 28018

aacggaagca tacctgtttc ctttatccaa attattaatg aagaaactag gcctgaaaag 60

tgagatgagg ttgagattaa atgcatggga catccagtgc ttccttcact gcaggtgcaa 120
aatttggttg acctgtgggg ggttgatata gcgtctttgg gacatagaat ttcagcaacc 180
attggatcct cagggaaaga ttttgtcatg atcctaacct atggtcggaa gg 232

<210> 28019
<211> 250
<212> DNA
<213> Glycine max
<223> Clone ID: 700892013H1
<400> 28019

cgatgctagg tcatttttca aaagatcctt ctcagatgga aacattctta atgaaagtgc 60
tacaccgatg tcagccccaaggccaagca tgaaaaattc ccaagccaag gcggcttacc 120
agatcgatca gaagaaggaa gcaagggact ctgtgagtca tcaccagaaa tatctactac 180
tgagagtgc atctcatttt caaggtacac tccctcaatg cctcggagac agctctttgg 240
agatatgcaa 250

<210> 28020
<211> 251
<212> DNA
<213> Glycine max
<223> Clone ID: 700892104H1
<400> 28020

agtgaaccca gttttggtac ttggaccatt actgcaaccc agcataaatg ctagtacaat 60
tcacatcctc aagtacctca ctggctctgc taagacctat gcaaagcca cacaggcgta 120
tggtcatggt agggacgtgg cattggccca cataacttgtt tatgagaagc cttctgcctc 180
tggtagaaca tatgtgccga aagctctctc caccgtggag aattagttga aattctcgcc 240
aagtatttcc c 251

<210> 28021
<211> 255
<212> DNA
<213> Glycine max
<223> Clone ID: 700892109H1

<400> 28021

ccttgttctt ctttctctat tgtctatagt catctccatt gttctcttca ttacccacac 60
 acacaaaaga aacaacactc caagaggacc accaggtcct ccacctcttc ctctcatcgg 120
 caaccttcac caactccaca actcatcccc acatctctgc ctatggcaac tcgccaaact 180
 ccacggctct ctcatgtcgt ttgcctcgg cgccgtgcaa accgtcgtgg tttcatcggc 240
 cagaatcgcc gaaca 255

<210> 28022

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700892112H1

<400> 28022

aaagaccatg aatacagcaa aaagagttgt gacataattc aaagtggaca tgtcagtgat 60
 cctgggattg gcaaagctga attttgtgct tctccaaagc tcaagcgatc ctgctctgac 120
 ctggaaagaa gggatgtact aaggagact tgtcatctct ttccatcttc aaagtcacag 180
 tcttttgagg atttgcaggg gttatcagca catcagatgg ttaatctaga aagccccagg 240
 tctgtgatga c 251

<210> 28023

<211> 251

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700892117H1

<400> 28023

ctctnctcat taacacacta cgcggtgcaaa gaacctctgc tctcctcttg cttttgatnn 60
 agaagaaaga agcgagaaga tgtcagancg cgttctgcag cgactgcaag aggcagacgg 120
 aggtggtggt tgaccactct gccggcgaca cgggtgtgctc ggagtgcggn ctcgtactgg 180
 agtcccatct atcgacgaga cctctgagtn gcgtaccttc gccaacgagt ccggtgacaa 240
 gatcncaatc g 251

<210> 28024
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892125H1

<400> 28024

caatttctta tcttttctca ttccttctc ttcttctca acacacacaa aatatctctt 60
 ccaatttcaa tttctcgtcg tccctcatca tggctcgtct cgcgatcgct gtcgccgccg 120
 tgctcctcgt ggccctctcc gcctccaccg cgacggcgcg tccctgcagg accttcataa 180
 tctctcttac tcgttccgca accctaactc caacaccttc gccaccatca ccgagatccg 240
 atccttcac 249

<210> 28025
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892133H1

<400> 28025

caccaacaaa gtctacatcc aaagagaaaa ctgaaaaagt cactaaagga aaaggcaaga 60
 agaaagagaa gtcaagccct agtgataatc agttacgtga tgcgatatgt aaaattctta 120
 aagaagttga cttcaatcgc gcaacattta ctgacattct gaagcaactt gctaagcaat 180
 ttgatatgga tctcactcct aaaaaggcat ctataaagct gatgattcag gaagaactga 240
 caaaactagc t 251

<210> 28026
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892138H1

<400> 28026

ctggcacaga ggtagattca gagacttcca ttgaagttcc agaagaaaca tcatcactca 60
 tttctgctct taacgtcgaa aagattctcc gtggcttacc aattacagat gcagatcatt 120
 atggtaggct aggtattcca agaggatgtc cctttgactt ggtggggggg gcatataata 180

tcaagggttca agaattgaag agtcagaatt tagaggagga tgaacttgag aagaaattgg 240
aacttc 246

<210> 28027
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700892140H1

<400> 28027

tgaagaataa atcataaaat tagaacagat aacagctctg gatgaattaa tgtcattgat 60
gagtttcttc tttctgtatt atttatttct ctggatttga tcacgaaaca ttgaattgaa 120
ttgtgagcct gttttctctg cagcatagtg ttttgaataa ttttgtgtag tgcccttcat 180
ctcatcgagc ctcatgcgta atttggtgat gtttctcact gtttttgaat tcttggattt 240
tctttttt 247

<210> 28028
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700892141H1

<400> 28028

gaatcaaaca acacccttat taccaaactt cgcttagcca aagacactta cttctcttca 60
tgggttctat tggaattgag agctcgggac ctgaggttgt caccgttgat gtacatgcaa 120
ccaaggatct gatccagacc agtcatgttt atctggatgt caggacggtg gaagagtttc 180
agaaagggca tgtggatgca gagaagatca ttaacgttgc atacatgttt aatacaccag 240
aaggcag 247

<210> 28029
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700892143H1

<400> 28029

gaagaaccca caggatattt ggagtctcaa agaaaattct agaattttc ttgaagcatt 60
tagacttttt tttacaaaaa gggaaaagga gattggcaat ctaagctttg ataaagatga 120
tcagttggct gtagaatttg ttactgcagc tgcaaacata agggctgctt catttggcat 180
ccctctccaa aacctttttg aagctaaagg tattgctggg aatattgtgc atgctgttgc 240
gacta 245

<210> 28030
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700892144H1

<400> 28030

aagaaattta agtgaggagc tagagaatga tgatgaagtc tgctatgtgt gcagtgggtg 60
ttgtagcact tcttcttctg gcggaggtgg ggcccatggc tgaggctgtg acatgcaccc 120
caacagagtt gagtccgtgt cttccagcaa tcacttccgg tgctaaacct tccaatgctt 180
gttgacagaa gctgaagcag caaaaaccat gcttatgtgg ctacctcaaa aacgctagct 240
tgaag 245

<210> 28031
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700892145H1

<400> 28031

cttgggcttg gcagggatgg cttactaccc ttagtatttg ctaaagtcca ctccaaatac 60
cacaccctg ttcattctca gatctgggtt ggcttggttg ccagtgtttt ggctgggcta 120
tttaatgttc atgtgctctc tcacattctt tccgttggtg cactgactgg ctattcggtt 180
gtctcagcat gtgttgctgt tcttcgctgg aaggataaga caaatagtca agtgtcatct 240
tctg 244

<210> 28032
<211> 248

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700892149H1
 <400> 28032

aatatatcc attctctctg tgtatttccc tacctctccc ttcaagatgc agatcttcgt 60
 caagaccctc accggcaaga ccatcaccct tgaggtggaa agctctgaca ccatcgacaa 120
 cgtcaaggcc aagatccagg acaaggaagg aatccccccg gaccagcaac gtctcatttt 180
 cgccggaaaag caacttgagg acggccgtac ccttgctgac tacaacattc agaaggagag 240
 ctctgaca 248

<210> 28033
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700892154H1
 <400> 28033

agctccgcgc cgtccttctc agatgagact aaaagcaatc tgaaccttaa ggctactgag 60
 ctgagactgg ggcttccggg attgcagtct cccgaacgag attcagatct ttgcttgaga 120
 agttcaattc agtttgatga aaaaccactg tttcctttgc atcctgctac tgatgatcac 180
 attcctcatc aaagcctgct gttttgggta acaaaagagg gttctcagat gtcatgagtg 240
 gat 243

<210> 28034
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700892157H1
 <400> 28034

gtttgctgaa ctcatgacca agattgacag gcgatccggc aaagagcttg agaaggagcc 60
 caagtttttg aagaacggtg atgctgggtt tgtaagatg attccaacca aacccatggt 120
 tgttgaaact ttctccgagt atcctccact tggtaggttt gctgttaggg acatgcgtca 180
 aactgttgct gtgggagtca tcaagaacgt tgagaagaag gatcctaccg gagccaaggt 240

cacca

245

<210> 28035
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892164H1

<400> 28035

gaaaaactta gctactaagg aaggatcaaa gagaatggct caagcaatgg catcaatggc 60
 tggccttgct ggttcctctc aggctgtgtt ggaaggtagc cttcaggtaga gtggctccac 120
 acgcttgaat gtggggagtg gaagcagggt ggcctcagtc acacgtgcag gggtcacagt 180
 tagagcacia caacaacaag tgagtggtaga ggtacaaagc agccgtaggg cagtgtcttc 240
 acttggtg 248

<210> 28036
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892167H1

<400> 28036

aaatggtaag atatcatcca aaagcaaata gcagtggcag cagctgacaa agctgagttt 60
 tgttcaaggg caacatttga gttactgatt atatttttct taaaggtaga gcatcattta 120
 ggtaatggta gatgtctata ggtaattcat ttttgtgcct tcacaaactt accataatca 180
 cccaccctgt ataaaattta aattcaaaaa cacaaaaaaa tccgtagctg gttctcaggt 240
 tata 244

<210> 28037
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892169H1

<400> 28037

accttctgct ctagaaaatt cagtgtgtaa acatggcttc ggctactctc tctgtagcca 60

aaccagccct tcaggcaa at gggaaaggct tctctgaatt ctctggcctc cgaagctcat 120
 caggcttccct tcccttttct agaaaatctt cagaggattt ccattctgtc attgccttcc 180
 agacctatgc agttggaagc agtggaggat acaagaaggg tgtgacagaa gcaaaactga 240
 ag 242

<210> 28038
 <211> 242
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700892170H1

<400> 28038
 aaccactttg tcccatccca cttggacttc cacctcacc cttttntca acgccatgaa 60
 aatagatatt agcaattgat caaagggtcat tttgtttttg tggctctgag aggggagtga 120
 ttctaaacta aaatatatgg gggctgggga agagagtaca gctaaatctt ctaaagtatc 180
 ttgggcagct caggagacac caacagcact tgcatactct gactgggtcaa gctccatgca 240
 gg 242

<210> 28039
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892191H1

<400> 28039
 tggagaatca atttacggag agaagtttgc tgatgagaac ttcaagttaa agcatactgg 60
 accaggactt ctatcaatgg caaatgctgg tcctaatacc aatgggtcac aatttttcat 120
 tacaactgtg acaactagct ggttggacgg aaggcatgtt gtttttggtta aagttctttc 180
 tggaatggat gttgtttaca agattgaagc tgaaggaaca caaagtggca ctccaaga 239

<210> 28040
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892209H1

<400> 28040

agcgaagaaa gattcgaaac gaagaaagaa agcggtgtga agaattggcgg aagagggaca 60
 agtgatcgggt gtccacacggt tagaggagtg gaaggaacat ctcaagaagg gagaagagtc 120
 caagaaattg attgtggtgg attttactgc ttcttggtgc ggtccatgcc gtttcattgc 180
 cccaattctt gcagagtttg ctaaaaagtt gccgaatgtc accttcctca aggtggatgt 240
 ggatgaattg gagactgttt ccaagga 267

<210> 28041

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700892221H1

<400> 28041

gaataatcga gacacagatc atagtgatca tttttaatt tctcagattt atccgacgtc 60
 gctgcagatc caccaaccgt tatggctgcc ttcagcgggtg atgaaacggc accgtttttc 120
 ggcttccttg gcgccgcagc tgccctcgtc ttctcctgta tgggagctgc ctatggcaca 180
 gcgaagagtg gcgtgggcgt ggcttccatg ggtgtaatga gacctgagct ggtgatgaag 240
 tcgattgttc ctgttgatcat ggctg 265

<210> 28042

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700892232H1

<400> 28042

gtcgaactga tgctggagtg catgctttgt caaatgttg tcatgttgat attcaacgca 60
 tcagcaaaag gaggcctggt gaagtgttac cacctcatga acctgctgtc gttggaagag 120
 ctgtaaacca tttcttacag aagcacgaca gtgacttaat ggttattgat gttcgatgtg 180
 ttccatctga ttttcatgca agatttaaag cgcaagagcg cacatacttc tatcggttgc 240
 tttctgggcc agagcctttg t 261

<210> 28043
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892235H1

<400> 28043

aagattcgaa acgaagaaag aaagcgttgt gaagaatggc ggaagaggga caagtgatcg 60
 gtgtccacag cgtagaggag tggaaggaaac atctcaagaa gggagaagag tccaagaaat 120
 tgatttgtgt ggattttact gcttcttggt gcggtccatg ccgtttcatt gccccaattc 180
 ttgcagagtt tgctaaaaag ttgccgaatg tcaccttctt caaggtggat gtggatgaat 240
 tggagactgt ttccaaggag tg 262

<210> 28044
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892242H1

<400> 28044

tcctaacata acattttttc agaaaaaatc aagccatcag atgtagggtct tgaacaagag 60
 gcacaagtgg ttcagaattg gtccggttca atgcttgaac gtaatgggag ccatcaatct 120
 ttgccaccta tcaaataatt gcatttgcat gaaagtgatt ccttctctat aggaattttt 180
 tgcattgcccc cctcttctat cattcctctc cataatcatc ctggaatgac agtggtgagc 240
 aagctgttat atggctcaat g 261

<210> 28045
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892246H1

<400> 28045

tttttattgc tcagttggtg gcaactttta tagcagtgtg tgctaactgg ggctttgcaa 60
 gaataaaggg aatgggatgg gggtgggctg gtgtaatctg gctgtacagt gtggtaacct 120

atatccctct tgatttactc aaatttgcta tccgctatat tctaagtggg aaggcttggg 180
 ataatctttt ggagaacaag actgccttca ctacaaagaa agactatggt aaagaagaga 240
 gggaagctca atgggcg 257

<210> 28046
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700892248H1
 <400> 28046

gctaggtcaa atagtgttat taatacttta tatttatata aaaacaagtt cacactagac 60
 aatctactca agttgagtca gctagataaa agtattctaa acgaaaagtc ttgtttacga 120
 gtattttaat atagatgata aatcgaagac agataataaa gaatttatat aacttacaca 180
 ttcggttagc ctaattaaat acgttggtgg ttaaattaga ataagtttgc atgagtcgat 240
 atatgcagtg agtgatatc 259

<210> 28047
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700892255H1
 <400> 28047

ctctgattgg gtggaagaga aaagcagctc agtgcattgt ggaggtggag gcgtgaacgt 60
 gcatacagga aaaggaggtg gcagtggcac cactgtcaac gttggtggaa aaggaggcgg 120
 aggcgtaaac gtgcatgcag gccacaaggg aaagccagtg catgtttcag ttgggtcaaa 180
 gtctccattt gattacgtct acgccgccac ggaaactcaa ttacacgatg accccaacgt 240
 ggcactcttc ttcttgaaa 260

<210> 28048
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700892258H1

<400> 28048
gagcaacagc aaggaaggca tctttgtcca taattgctga aaatgcttta ttagatgcta 60
tccaatccaa aaggatatggg gatgcactat atttttgggt gcgcatggat atggattcac 120
gaaacccttc gcaaacggac ttttggatcat tttgtgatgc cgttaatgcg ggaaattgca 180
agttttgcttt ctcagaagcc atgaggggaa tgtatgggggt aaaaggtgat gcggattcct 240
tgcttcccat gccggt 256

<210> 28049
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700892268H1

<400> 28049
ataacacaag gcagaaagca agctcatcct agagttttta aaatggcagc agcctcctcc 60
atggctctct cttccccatc cttggctggc aaggccgtga agctgggccc atcagcccc 120
gaagtcggga gggtcagcat gaggaagacc gtcaccaagc aggcctcctc cggaagccca 180
tggtacggcc cagaccgct caagtacttg ggcccattct ctggcgagcc cccgtcctac 240
ctcactggcg agttccca 258

<210> 28050
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700892274H1

<400> 28050
gattgttgga ggtgaccata ggctgaggaa ctattcttcc ataatcaccg tccatccaga 60
ggtcatcgat gggagacccg gtacaatggt gatcgaatca tttgtggtgg atgtgcctga 120
tggaacacc agggatgaaa cttgttactt tgtggaggct ttgatcaggt gtaacctaag 180
ctcttttagct gatgtctcag agaggatggc cgtgcaaggt cgaaccaatc ctatcaacca 240
ttaagcatgt ctagg 255

<210> 28051

<211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892279H1

<400> 28051

cacgaggaaa aaatgttttag tgccagtgtt tattactgat tttccagaaa ctacactttt 60
 gctggctggt tatgtttgtg ttgtcgtgtg gtttcatatt ttcttgatta gggtctattc 120
 ccattcagtt attcccaatt tctaagcgca atgccatgca attgaagttg tattttactt 180
 tacattgctc attcctttca gtttagcatgg tctttagaac ctgctattga tatctttttc 240
 ttctttctcaa atg 253

<210> 28052
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892283H1

<400> 28052

caggataagt cttggcgcgt gcgttacatg gttgcaaadc aattgtatga gctttgtgaa 60
 gctgtaggcc ctgaacctac cagaacggaa ttggtacctg cttatgtgcg gttgcttcga 120
 gataatgagg ctgaagtgcg catagcagct gctggaaaag tgaccaagtt ttgccggatt 180
 ttaaateccag atctttcaat tcagcatatt ctttcttggt tgaaggaatt gtcacagat 240
 tcttctcagc atgtc 255

<210> 28053
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892327H1

<400> 28053

cggggattct cgagcaatca tgggatccaa ggatagcaat gactccattg tggctattca 60
 gttgactgtt gatttgaagc ctgatttgcc aagggaagca gagagaatta agaagtgcaa 120
 aggtagggta tttgctttgc aagatgagcc tgaagtgcct aggggtgtggt tgccctttga 180

tgatgcacca ggattagcca tggctagagc atttggagat ttctgcttga aggagtatgg 240
tgtgatttct atacct 256

<210> 28054
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700892343H1

<400> 28054

gcttcttggg ttggttctct gagtttttac ctctcttggg tctgatccaa aaaggcttaa 60
ttttctttgt tccgaggaaa aaattctgct tttgaatttg ttggttttca agcttggtgt 120
agaaggaaat ggcacaacgt tctcatgtac ccaaatttgg caattgggat agtggagaga 180
atgttcctta tacagcatat ttgacaagg cgcggaagg tgaactggg gcaaggataa 240
taaattccaaa tga 253

<210> 28055
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700892347H1

<400> 28055

ctgctgagaa aattgcgacg cggaacacg cgcatcttca cgatcctgga atccaccgcg 60
gcgtatccag cgattccgat ctccgacgag tctgcgagg cgaagaatcg cgaggccagc 120
cgccggtgaa gaatcgcgcg atttgtctgg aaatcgcgat tcagccacga ttcattccccg 180
atactgagac tcaaccacga ttcaggaaga aaaacgagac aacctccgat tcgtatcggt 240
agcagttgga atcatatcga 260

<210> 28056
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700892351H1

<400> 28056

gaagaagctg ctgccatggc tctctcatcc ccatccttgg ctggcaaggc cgtgaagctg 60
 ggcccatcag cccagaagt gggaaggggtg agcatgagga agaccgtcac caagcaggtc 120
 tcctcaggaa gcccatggta cggcccagac cgagtcaagt acttggggccc attctctggc 180
 gagccccctg cctacctaac cggtgagttc ccaggcgact acggctggga cactgctggg 240
 ctttcgcgag acc 253

<210> 28057
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892358H1

<400> 28057

tccaagttga aaagggattc tgctgctact ggttcatgga gtattcagga tgaaatagca 60
 agagtaagat ccagggaac agaggaattg cttagatcac ttccatcctc aaaaattgac 120
 tggctctgcat ttgccatgga gaataaaaaat aatgtaaact cttcagctat tgaaaatatt 180
 ggagctagtt tgggagagag agtacataat tcaacaaatt tagttgatgc atctgtgaac 240
 ttggccagag g 251

<210> 28058
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892394H1

<400> 28058

ccagaacaca tgcattgcct tgctatgttt tggggccctc ttgctcctcc caacactggg 60
 gttgtagcct ttcagaactt atcaacaat caggcaacat ttaggattac tgcaactgca 120
 gttgtacttg agtttaatca tgcagcaagg atagtgaaga aaatcaaatt gggttggttat 180
 ccatgcaaga tattcaagaa gacagcactt atcaaggata tgtttacctc agatcttgaa 240
 gtagctcggtt tt 252

<210> 28059
 <211> 249
 <212> DNA

<213> Glycine max

<223> Clone ID: 700892409H1

<400> 28059

gattctatac ccttttcatc cagcaagggtg gaggttgtat tcaacaagtt ttccgtaaaa 60
 cccgggtcag aggaggccca gatcatgaag aatactctca gtgagtgtga agaggggtggc 120
 atcaaaggag aggaaaagta ctgtgccact tcgcttgaat ccatgattga tttcagcact 180
 tccaagcttg gaaaaaatgt tgaggttgtg tccacggaag tagtggagga caaggaaacg 240
 ggattgcag 249

<210> 28060

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700892425H1

<400> 28060

gttttctact tctccaaca ctgcggaac tagaaagcct ctacttccaa ttccacgtgg 60
 caaaaaggag agactctgat tctgagccgc ttctagaacc ttccattgtc caagaagttt 120
 cattccacga cgacaacgaa gaagaagaat tccttgacga atttgaatac gatgaagacg 180
 acggtgacgg tgacgaatac tatgaggaag aagaggaata cgaagaggag gctgggtgtgc 240
 cttatg 246

<210> 28061

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700892428H1

<400> 28061

ggaaaaggaa tagaaaagtt ttgtaatttt tctcttgctc caagttgttg tgaggatatg 60
 aaaaaattta tcaattctaa ctatggaaaa atatcgtgta ccatccttgc cgccggcggt 120
 ctttctcttt tgatttatgt gttaaagaga tggcccaaac caaagcccaa gcctgagact 180
 gagcccacgc tcgggcccac gtccgagccc cagtccatgc ccaagcttgg gcccaagtct 240

gtat

244

<210> 28062
<211> 146
<212> DNA
<213> Glycine max

<223> Clone ID: 700892430H1

<400> 28062

caacaagcac aacaagggtca ctgtgttgaa gttggtcgct ttggacttga tgaagagatt 60
gatcgtttga ggcgtgacaa gcacgtgttg atgatggagc ttgtgaagct gagacagcag 120
caacagaaca caaggtcata ccttca 146

<210> 28063
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700892433H1

<400> 28063

gtgaagagaa tggctcccaa gggtttaacc tttctggctg tgtaatatg cgtttcagca 60
ctgtcactga gtccttctgt tgcgggggaa gggcaaaata atggccttgt tatgaacttc 120
tacaaggaat catgccctca ggctgaagac atcatcacag aacaagtcaa gcttctctac 180
aagcgccaca agaacactgc tttctcctgg ctcaggaaca tcttccatga ctgtgctggt 240
cagagt 246

<210> 28064
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700892434H1

<400> 28064

aaaaatcatg gcattttctc agcagggagc tagagctgta tgcattttgt cagccaatgg 60
tgctgtctct actgtcacac ttcgtcagcc atcaacttca ggtggcactg tcacatacga 120
ggggcgcttt gagatagtgt gtctgtcagg ctcttacttg gtcaccgata atggtggctc 180

acgcaatcga actggtggat tgagtgtgtc ccttgctagt cctgatggtc gtgtcattgg 240
t 241

<210> 28065
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700892438H1

<400> 28065

attaaagtct gggatgtatc tggaaatttg gaaggtaaaa aatttgaagg acctggaggg 60
ggcattgagt ggcttaggtg gcatccaaga ggacacatac tcttagctgg ttctgaggat 120
ttcagcattt ggatgtggaa tactgataat gctgccttac ttaatacatt tattgggtcat 180
ggtgatagtg taacctgtgg tgattttact cccgatggga aaataatatg tactggt 237

<210> 28066
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700892440H1

<400> 28066

attggattgt tctccgaac agtgaaccct cacctaacaa tcagaaccca ggatttggtg 60
aaacgatgaa cagtgatagg aaaattgggg ttgccttgga cttttccaaa ggaagcaaaa 120
tcgctctgaa atgggctatt gacaatctta tcagcaacgg tgacactctc tacatcgctc 180
acaccaagcc ttccggagga agtgaatcag gaaatcttct ctggtccacc actgggtcac 240
ct 242

<210> 28067
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700892444H1

<400> 28067

ggtgaaagaa gagcgagtca ttttcagttc agcctcgatt tgttttggaa aggtcgagag 60

ttgcagtata aagacactgg actgttgaaa aatcttgacc tttcaacaaa caacctgtcc 120
 ggagaaatcc cgctgaact ttttagcctc actgaactgt tgttcttgaa cttgtctaga 180
 aataatttaa tgggaaagat acctagcaag attggtggca tgaaaaattt ggagtcce 238

<210> 28068
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700892445H1
 <400> 28068

gttaattttt atcaggttga ggagctctta aaagaatatg acaatgtgtg caccctcagg 60
 gttcgcattg caatttcatt tgacttgagc aatccacgca atttcattac caagatttct 120
 cggtataaca aagtgggtcaa cattccaaac agcatgacca ttttggtatga acttctgcct 180
 atttcaattg agatggcaaa gcgaaacttg aggggcatct ggaacttcac aaatcctgg 239

<210> 28069
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700892446H1
 <400> 28069

aatcgctaga gagagaaacc aagaaagaga aacacagaga aatcgctttc gctattatat 60
 cctccctcaa aaaaccgca tggacggtgc agacgcgtgg cgcgtggccg cgtgtgccaa 120
 caccaacgtc aacagaataa tgctccgctt tcgcccgatc gcgccgaaac cggtcgcccg 180
 aagttccgcc gtctccagag ccaccggcgc tggcgacgga agccagagta gccacgtgtc 240

<210> 28070
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700892447H1
 <400> 28070

agaaggtgtt gtgaaaggtt aagatcgaga aattaggggtg aagtgaagga gaagctcttg 60

agaagctgac ttgaaagttg aaacagaaga tgggagaagc aacagaaaga tatgcagttg 120
 tgacgggtgc aaataaagga attggattag agatagttag acagttagct tcagctggaa 180
 tcaaagtgtt gctcacagca agaaatgaga agaaggtctt ccaagcactg gaaacactca 240

<210> 28071
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700892450H1
 <400> 28071

atccagtgtc gtggttccaa ggaacttcag attgctggag gagcttgaga agggagaaaa 60
 aggaatagga gatggcacag ttagttatgg aatggatgat ggtgatgaca ttacatgcg 120
 ctcttgact ggaaccatta ttggtcccta taatactgta catgaaggaa gaatttatca 180
 attgaagctg ttttgtgata aagactaccc tgaaaagccc ccgagcgtcc ggtttcattc 240
 a 241

<210> 28072
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700892451H1
 <400> 28072

gtgatgctaa aaggggtgat ttggtgaagt gtgaggccta tgaggcagac agatcagagg 60
 ttgagggtgc aagcacaccg tcagaggctg caaagaaggt aaaaattggg atatattttg 120
 caacctggtg ggctctgaat gtggtgttca atatttataa caagaagggt ctgaatgcct 180
 acccttacct ttggcttact tcaactctct cacttgcatt tgggtctctt atgatgttga 240

<210> 28073
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700892453H1
 <400> 28073

gaaactttct ctgagtatcc tccccttggc cgttttgctg tgagggacat gcgtcaaact 60
 gtggctgtcg gagtcatcaa gagtggtgag aagaaagacc ccaccggagc caaggtcacc 120
 aaggccgctg ccaagaagaa gtgattgcat ttgggcaatt ttgctagcac atgtgatcat 180
 catcgtgggtt actcctttat agtagtttta tccttgcaga gtcttaggtg ttttgtttaa 240
 g 241

<210> 28074
 <211> 243
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700892455H1

<400> 28074
 atggcagatc atccncagca ccaagacata ttcataggac tccggtagct gttcaggccc 60
 tcccagtcca atctcaggca ttgggaccac agcaaaattc aataactaat ttgaatagtt 120
 ccttgctacc tagcaattcc tctgctactc ctcatatttc tttgtccaac cctacctctg 180
 tagatacttt gaatgccata ctaagtgata cggaaagaca acaacatttt tctcgaaccc 240
 caa 243

<210> 28075
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892456H1

<400> 28075
 cctcaatgga acaaacctca gaagcagaaa aaggtcttct ctctttctct ctctttttcc 60
 ctcaagctca gaatctcccg aacgaaagtt gaattttggt gcatatttta caaattaaga 120
 atcttggtta aaagaagaag gatgtcaagc ggagcaacac actggtgtca tgcattgcaga 180
 cagccagtgt tgcttgatgg gagagatgct gtttgccctt actgcgatgg aggatttgta 240
 caaga 245

<210> 28076
 <211> 241

<212> DNA
 <213> Glycine max

<223> Clone ID: 700892462H1

<400> 28076

cgaaaacttt ctaacaagcc taattgctgg aacctcacta ctaagcattc aaaaagcata 60
 tatataattc gatggcaggt attgctgatg ggatcagcgt gcttgccgtt ggtgcaggtg 120
 aagctccacg gcgaccaaca caagcccaaa ctactactcc caacactcat cacaataaca 180
 acactacttc tgaagagttc acttatttaa attctgggaa gcaaaatata aagggtctta 240
 c 241

<210> 28077
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892464H1

<400> 28077

ctcaaccatg gaatgaatcg ttacgtcttc gttgtctatc gcaatgccat cgctgcattg 60
 gcccttgctc cttttgcatt gattttcgag aggaaaatta ggccaaagat aacactccct 120
 gtcttcttac agatagtggc actgggattt gtggagccag tgattgacca agggttcact 180
 ttcttgggca tgcaatatac atcggttca tttgcctctg ccataatgaa tgccgtgcct 240
 tctgtca 247

<210> 28078
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892467H1

<400> 28078

gtgatgttgt gattgctgtg cctgactctg gtgttgtggc tgcgcttggg tatgctgcga 60
 aagctggggg tccgtttcag cagggtttga ttaggtcgca ctatgtgggg aggactttca 120
 ttgagccctc tcagaagatt agggactttg gtgtgaagct gaagctatca cctgttcgtg 180
 ctgtgcttga aggtaaacgt gttgtggttg tggatgattc cattgtgaga ggaac 235

<210> 28079
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892470H1

<400> 28079

cttaatccaa atacgatggc agccatggca accacaaccc tctcttcaaa ccccaaactc 60
 tcattcttca acggaagacc cgtcacatat tcttcccgcg tcgcgccac caccaaatta 120
 tcctcatcca aacaaggcac aatttccatg tccctaaccc ccccccccta cgacctccag 180
 tccttcaaat tccagcccat caaagaatcc atcgtgtcac gggaaatgac gcgccgc 237

<210> 28080
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892472H1

<400> 28080

ctcggatact gtcaggactc cgggttcaac taccaggcct acttggtcag ctgaagctta 60
 tcgaagaaca gagcatgcag ctagaaggca aatcccaacc tcccgtgaaa tggatgaatt 120
 ctttgctgaa attgaagagg ctcagcaaaa aaaattcatt gagaagtaca actttgatcc 180
 tgtgaatgag aagccgctct cagggcgcta tgaatgggaa aagttgaaac cctagaaggg 240
 t 241

<210> 28081
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892476H1

<400> 28081

ctgtggcaga atctgtagct aatgaacttg tgctacaaag cttttcttcc tcaaaaaatg 60
 gccaatgttg ttctactgag caacaagatg aagctgctaa gaataaatca aaagattcaa 120
 aaggtgtgaa aggtggctgc tcattctcatg aagaaaaaaa ggtggctaaa tcacatgaag 180

agaagagatc taggccacgg aagatgatgg agtttcacaa catcaaaatt agtcagg 237

<210> 28082
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700892477H1
 <400> 28082

caaccggcctt gaagatggct tcaacattca ttggcaactc tacctccatt caggagatgt 60
 tccgtagagt gagtgaagcaa ttcactgcta tgttcaggag gaaggccttc ttgcattggc 120
 ataccggggga aggcattggac gagatggagt tctctgaggc tgagagcaac atgaacgatc 180
 ttgtgtcaga gtatcaacag taccaggatg ccactgctga tgaggatgag tatgag 236

<210> 28083
 <211> 237
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700892478H1
 <400> 28083

gccaatcga gtagccgagg gatcaccgcc ttggggaagc gagtcgcaa ccagatctgg 60
 atttccaacc cccctcagc tctctcact tccaggaggg gagcaatagc agctgcatac 120
 agtagcagcg gcggtcagt gtatgacaag aaccctgatg atcagatcca ctctggggcg 180
 gtcccagacg atgtgatcca ggcaacacaa tccggcaaat actgggcccc acacca 237

<210> 28084
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700892485H1
 <400> 28084

atcaaacc accaagcgtt ccagaaaatg aaacaaccga ggtaatcaag acccaggaaa 60
 caaccccgga accagtacca gccactgagg ctctctgaac agaacaagca gcagctgagg 120
 ttctgtctca agaagaacaa caagcaactg aggttctctgc cccagaatca accaccgaag 180

caccaaagga agaaaccacc gaagcaccaa caacagaaac agtagaaaca acaact 236

<210> 28085
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892501H1

<400> 28085

ctcaaatcat ggatttcttg caagcacaag aaaatcagat acttgtgggt gtggccgtgg 60
 ccgttgtagc cattgggctt ggtgcagtat atctctattc atccaagaag accaaagggtt 120
 gcttggaacc agagaacttt aaggcattca aacttggtta gcgtgcacag ctgagccata 180
 atgttgcaaa gttcacattt gactcccaa cacctacatc tgttttgggt cttccaattg 240
 ggcaacacat aagttgcagg ggtaaag 267

<210> 28086
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892518H1

<400> 28086

ctccttcaag aagggttctg ctgcgtctgc cagtaaaagt caggagaaca agtcatctgg 60
 attatcaaag tcatcgacta atgcaaataa ttatgggttca gtttcttctc aaagttcaag 120
 tgtacctgca aacagtactg aggatgacat ggatgatatt gatccaagag gaacttctac 180
 caaaacttca gctggaaact ctaaccaggt tgatctcttt ggacaagatt taatcggtga 240
 cctcatggat gtcctaa 257

<210> 28087
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892538H1

<400> 28087

ggttttctga ttaactcttt cttctcataa ctctgccgcc gcaacagccc caaatccaat 60

ggcttcagag aagaaacttt cgaaccaat gagggagata aaggtgcaga agctcgtcct 120
 caatatctcc gttggcgaga gtggagatcg tcttaccaga gccgctaagg tgttggaaca 180
 gcttagtggc caagcccctg tgttttccaa agcaaggtag acggttcgtt cctttgggat 240
 tagaagaaat 250

<210> 28088
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892556H1

<400> 28088
 ggcttatcag aaagcaagg t atgcctgca cccagacaaa ctgcagcaaa gaggagcaac 60
 actccttcag aagtatgtag cagagaaggc tttctcaatt cttcaggatg catgggctgc 120
 attcatttcc atagatgttt ccttctagcc agtggatgac tctaattctg ataactcagt 180
 tttgtcttga gatttgtgga caaacaccaa gcttgacatt cgaaatgtcg ggagtgtttg 240
 ttgttgacaa 250

<210> 28089
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892560H1

<400> 28089
 gcggaggctg caagacaaag tcttggacca agatcactcc aatctccatt tggcttctcc 60
 agaaaagcct cctttcttgt taaggcagct gctaccccc ctgtcaagca aggatcagac 120
 agacctttgt ggtttgcac aaagcaaagt ctttcttact tggatggcag ccttcgggt 180
 gactatggat ttgacctctt gggactttca gacctgaag gaacaggagg gttcattgag 240
 ccgaaatggc tagcata 257

<210> 28090
 <211> 199
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892563H1

<400> 28090

cggcagtaat cagactgctc ttcttgattt ggctttcccc gatagttttg gaagattgca 60
 tgacagggga aaggaagccc caaagccaaa caaaacctta actaagcttt tcccaaataa 120
 agtgactatt cacatgccac aggatgaggc acttctagca tcttggaagc agcaactcga 180
 tcgagatggt gagactctt 199

<210> 28091

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700892572H1

<400> 28091

ggggaatgga tttcacaact gacaagctga ggctattggt gcgaaaatgg caaactctaa 60
 ttgaagccca tgtggatgtg aagacaactg ataactacac attgaggatg ttttgcattg 120
 gatttaccaa gagaagagct aaccaagtga agagaacctg ctatgcacaa tcaagccaga 180
 ttagacagat tcgtaggaag atgagggaga tcatgaccaa ccaggcaaca tcctgtgatt 240
 tgaagga 247

<210> 28092

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700892590H1

<400> 28092

ggctctcagt acagttgttt ttgttgaggc ctcaaaacca tgggaggata aactttttaga 60
 gcatgccaaa gctcttaaag taaatgccgg aactgaacct gatacagatc ttggtccggt 120
 gatcagcaag caggcaaagg agagaatata cagattagtt caatctgggg ttgaaagtgg 180
 tgccagacta ctgcttgatg gaagaaatat agtgggccca ggatatgaat ctggcaattt 240
 tattggtc 248

<210> 28093
 <211> 212
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700892625H1

 <400> 28093

 ctcaacatct tacgagaaga ttggaaacct gtccttaata taaacactgt catctatggc 60
 ttgtatcatc tcttcacgga accaaattac gaggatccac tgaatcatga tgctgctgct 120
 gtgttgagag agaaccctaa gatgtttgaa tctaattgtga ggagggcaat ggctggaggg 180
 tatgtggggc aaaccttttt cccacgctgt at 212

<210> 28094
 <211> 215
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700892627H1

 <400> 28094

 ctcaccacc ctccatacac actctctctg agtcggtcga gttgaatcgg tgtgagtcag 60
 tgaccgagtc gaaccatgtc ggacgaagaa caccatttcg aatccaaggc cgatgctgga 120
 gcctccaaga cctatcctca acaagccgga accatccgca aaaacgggta catcgatcatc 180
 aagggtcgtc cctgcaaggt tggtgaagtt tctac 215

<210> 28095
 <211> 224
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700892634H1

 <400> 28095

 gcagcggatg acacaagtga ctactggtgc tgctgccatt aagggaat ttcattgcttt 60
 taatcaggat attagcaatc aagttgctgc ttatatgaga gatcctaata gaatgatcaa 120
 tcagatgcgg ctgagaagat cagctgttaa tatatttgga tctgttccag aggttgacga 180
 taaacataaa gaagctgaaa cacgtactga tggatgaccc gaac 224

<210> 28096
 <211> 214
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892638H1

<400> 28096

ctaggactca attctttggt tacttaatag tagttccttt ttaactatct ttcttcaatg 60
 gctgactcag cctcagcctc agcctcttct tccagaatgt ggtgctccat ccccgaaagg 120
 ttctcagctgc atgcggccat gttggccctg cagtttggct atgccggctt ccatgttgct 180
 tcaagagttg cccttaacat gggcattagc aaac 214

<210> 28097
 <211> 222
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892650H1

<400> 28097

ctatccactc acctgcctct tcttcacccc tttctccatc taacgagtaa ggaaaaatgg 60
 cgcgtaagaa gatcagagag tatgactcaa agaggttggt gaaggagcac ttttaagagac 120
 tttctggcaa ggagttgccg atcaagtctg cacaaattac tgcattcaact gatttcactg 180
 agctacaaga gaaggaaccc tggctttcat cttctaaatt gg 222

<210> 28098
 <211> 218
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892651H1

<400> 28098

cctcaccatg caacttcctc atcttcggcc tcacccatga gaccctcctt tggaaagccc 60
 tcaaccacaa cggaagaacc gtcttcacgc atgaaaaccg gtactacgcc gcgtacttcg 120
 aagaaaaaca ccctgaaatc gatgcctatg acgtgcaata cagacacaaa aggagcgagt 180
 tgaaggagct gatagcttcg acgaaagaac aggtggga 218

<210> 28099
 <211> 214
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892653H1

<400> 28099

tggggattct gtacgcgctg gttggctcgtg gatcgggtgg gctggcggag ttcagcggca 60
 ccaccaccaa cgccagcgcga atcgcgcgtc agatccttga aaaaatcccc ggcaacaacg 120
 acacgcacgt ttcttactct caggatcgct acatcttcca tgttaaacgc accgatggac 180
 tcaccgttct ctgcatggcc gacgacaccg ccgg 214

<210> 28100
 <211> 208
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892657H1

<400> 28100

tatagcccaa gccctataca accaaaccct aacacacacc catttgattc agtttccatg 60
 gctagcctca aggttgcatc tttggctgca gtgctctgca tggttgtggg gagtgcaccc 120
 atggcacatg cagctatcac gtgcgggcag gtgacgaata gcctgatcaa ttgcatcggt 180
 tacctccaga acggaggaac gccgcgct 208

<210> 28101
 <211> 209
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892658H1

<400> 28101

gaagagaact ggaagtggct gttcaaagaa acaggtttcg cccgttaca catcatcaag 60
 atcaacgctc ttccttccat cattgaggcg tttccaatct aacgaagagg aagccactac 120
 acttcatgtg cgtggtttta tgttgcattg gttgttatta ttattaacag ctatgtgatc 180
 ttcgtgtgat gtggttttca tccctaccc 209

<210> 28102
 <211> 212
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892669H1

<400> 28102

tgccaacttt gttgccctg gttacaccaa gggatgatgg cttgggtgctg agattgttgg 60
 cactttcatc cttgtttaca ccgttttctc cgccaccgat gccaaacgta gcgccagaga 120
 ctcccacgtc cccattttgg cacccttgcc aattgggttc gctgtgttct tggttcactt 180
 ggcaaccatc cccatcacccg gaactgggtat ca 212

<210> 28103
 <211> 209
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892671H1

<400> 28103

tccagattta ggatcaattt ctttctgggt tcgtaacaat ttcccttcaa tatctctggg 60
 tgttggtgct ggaccaaga gttattttaa tgtgcattcc agatttagga tcaatatcaa 120
 taacaatata acatttaatt taggaataag gaatcatttg gttcaagtac gtcacatcgc 180
 ggtggagcta gcctcgatac ctataggtt 209

<210> 28104
 <211> 217
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892682H1

<400> 28104

ccagaagatg caacctgatg ctgatgggaa atatccatac actgggtccg ttgattgtgc 60
 tgtcaaaacc ttcaaagcag gaggaccatt caaattttac accggattcc ctgtctattg 120
 tgtaggatt gtcctcatg tgatgatgac atggattttc ctgaaccaga tacagaaatt 180
 gcagaaatcc tacgggttgt agttttagt tctccgt 217

<210> 28105
 <211> 209
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892684H1

<400> 28105

gtggaactga aaaatgggga gacatataac gggcatttgg ttaattgoga cacatggatg 60
 aacatccatc tgcgagaagt catttgtaca tctaaagacg gagatagatt ttggaggatg 120
 cctgaatgct acatacgagg caatacaatc aagtaccttc gagtacctga tgaggttatt 180
 gataaagttc aagaagaaac caagagccg 209

<210> 28106
 <211> 203
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892690H1

<400> 28106

gcaagagagt taacaatgag gcagaatttg cctatggtgc tgggtcaattg aaccaagaa 60
 gtgctgtgag ccctgggtcta gtctaagaca tggatgcctt aggttatatc cagttcttat 120
 gccatgaggg ttacaaaggt tccagtttat cagctttagt tggttcacct gttaaattgct 180
 cctctttgct tccctgggtctt ggc 203

<210> 28107
 <211> 203
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892691H1

<400> 28107

cacacttggt ctgttcttac ggttttggtta tggctcttcc ttcactatcc tttctcttca 60
 tcttcacttc cttcatcgtc tccgtctcac actcaatacc ctttattggt attcatggaa 120
 ttggggatca gtgctctaata cgtggagtga aaaaattcac acagcaattg agcagcttct 180
 ctggtgctga aggatattgt gtc 203

<210> 28108
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892712H1

<400> 28108

ctgaggggga tgatagggag gtggagaaca agcttttggt tcaccttgag tttgataaat 60
 tcagcctcat taagtttttg ttgcggaata ggttgaagat tgtgtggtgc acgcggttgg 120
 cgagggcgca ggaccaggag gagagggaga agattgagga ggagatgaag gggacggagt 180
 tgcagccaat tttggagcag ttgcacgcaa caagggttc tgcaaaggag aggcagaaga 240
 atttgagaaa gagtatt 257

<210> 28109
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892743H1

<400> 28109

atgaactgaa aagagaagca gcagaaagag gctggaactt gggagctgta acagaaaatg 60
 accaattggc aaattccgaa ttatgagatt cagaaaaccg gttcaaaaaa gaggggaggg 120
 gctgcatcta gttattcaat ccttattgaa attagtactt tcccatcttc cccccctaatt 180
 gcattagcag atcaagatac ctgtttgttt cggtgatata cgaacttgat tccatcggca 240
 attcaacatg ggat 254

<210> 28110
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892759H1

<400> 28110

caggccgccc ggaaagctcc tggtgctgca cgggggttttc gaattcaatg taacaagtgg 60
 gctgtgatag tgcgtttact gttgggagaa atacctgagc ggactgtctt catgcagaaa 120
 ggaatggaga aagctctaag gccttacttt gagcttacia atgctgtgcy gattggagac 180

ttggaactgt ttaggaatat tgcggacaag tttgccacta cttttaatgc agacagaacc 240
cataatttg 249

<210> 28111
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700892803H1

<400> 28111

ttgcaaccta attatgggta tcaaaagggt ttaacatatg aacagttaaa tgcattagag 60
gatgaggtag aaactttggt agctagtgat ttaagtaaga attctgaaga atttcaggaa 120
ttaatggatg tgatggaaaa acatgagaca atggacattg attgtgttgg ctgctctgga 180
tcctccaaga aagcaaatga cttttccttg gaatccgatt attcttggat tgaaagtgat 240
aa 242

<210> 28112
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700892808H1

<400> 28112

ggagaactga agtcattttt agaagcatgt ctcctaggca taacagggtac tatctatttc 60
tatttgccctt aaactttgcc tttgtcctct tttttcattt aagaaaaaga aaatgtgttg 120
ggaccaacc caagcaagggt acgacttttg agtctcatat tttaagtatt atattctggt 180
atggagtttg taagaccttt ccttgatctt gtcaactata gtgagtagct ttcattggtg 240
g 241

<210> 28113
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700892811H1

<400> 28113

attgttcttt gcctaggttt taatgtagtt gctgtgactg tctgttggat tagaggcggc 60
 ggtgttaaaa tttttttcct tgcggttata tatgctctac ttggtgttcc cttttcatat 120
 gttctttggg acagaccct ctatcgtgct atgaggacgg acagtgcact gaagtttggg 180
 tgggtttttca tgctctactt gcttcatatt ggattttgta tctttgctgc aattgcacct 240

<210> 28114
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892819H1

<400> 28114

tgacaagatg ggttacgaag tcaaatttgt cagagtaacc aggagagttc atgaggcata 60
 ctttgctcag ttatatctta ccaagggttg aaatgacgca gaatatgtga gctttgatct 120
 tcgaccttca gatgctatca atattgcagt aagatgcaag gttcctatac aagtcaacaa 180
 gtacttggca tacagtgatg gtatgagagt aattgaatca ggcaaattgt caacacagtt 240
 c 241

<210> 28115
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892820H1

<400> 28115

attgaattca aaaacttaag ttcattcctt gtgttttgct ttcttctca aaaccaaaca 60
 tgtcgaacac atgcggcaac tgcgactgcg ctgacaagac tagctgcacc aagggaaaca 120
 gctatggtgt tattgtagag actgagaaga gttacatcga gactgttgtc atggatgttc 180
 cagcagctga gcatgatggg aagtgcaggt gtggcactaa ctgcacttgc acggactgca 240

<210> 28116
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892823H1

<400> 28116

aaggatttga agcgtgggta tgttgccctca aactcaaagg atgaccctgc aaaggaggct 60
gctaacttca cagcccaagt catcatcatg aaccaccctg gtcagattgg aaatggctat 120
gcccctgtcc tcgactgcca cacttctcac attgctgtca agtttgtgta actcatgacc 180
aagattgaca ggcgatccgg caaagagctt gagaaggagc ccaagttttt gaagaacggt 240
g 241

<210> 28117

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700892831H1

<400> 28117

accactttag cccaattatc accagcttct gccctctca aaccaccca acctgtcct 60
accataccag ctgctgtctc tcagcaacca ttgggtcctt cattgccaca atcaccaagt 120
gattccaccc ctgacagtac tccaactgtt gacattgttg gaatcctgag aaaggcaaag 180
tcattcaaca tcctaatccg cctcatgaaa accacccaat tgatcaacca actcaatgca 240
ca 242

<210> 28118

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700892842H1

<400> 28118

ccactctcaa tcctctcaa gcaaaatcct tgtgttttct tctctcatcc tggtttgctg 60
ctggctgctt tctattctta cctcaagaga aataagagaa tgggtgcaaa gaaatggttt 120
aagataatag tcaaattgaa gaaatcgaag aaagataaat ccaaagaaga aaaggaacag 180
atcactgatg aaaattcaaa cgaatactcc aacgggaagc agagtactcg tgaagagtca 240

<210> 28119

<211> 238

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700892843H1

 <400> 28119

 gtgtaggtag ctttcagaaa cctgattctg attctgggta tgtttcttac attaaggtct 60
 cgacagatgg aggcgctggc acgggttctg ggggcggcgg aggtgtccat aagcacacca 120
 tagttgttgt ggtcattgtc ataatagcct tggttgtcat ttgtggctctg gtctttgggg 180
 gagttagata ccacagaaga aagcaaaggt tgcctgagtc tcctagagaa ggttcaga 238

 <210> 28120
 <211> 243
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700892849H1

 <400> 28120

 ataacatcac tcagtgatga tatatttgcc ttagccaaga aggaggacca tgtgccattc 60
 agaaactcaa agcttacata tctgcttcag cttgtctag gtggagactc caagacacta 120
 atgtttgtga acatatacacc tgatccttct tcagttgggtg agtcactatg ctactcagg 180
 tttgcatcaa gagtcaatgc ttgtgagatt ggaacacctc ggcgtcaaac caatggacgt 240
 tca 243

 <210> 28121
 <211> 239
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700892852H1

 <400> 28121

 ccagccagaa gaagaaccaa catggcacc cacaatctata atttttcgta ttctaaaagg 60
 ttctcagagt cattcaattc ttcaacatca aaaaaaggag tcatccagtt ccaacatcct 120
 tgctttccac tccatagctc aatggaatgc tcattataaa gccaccaaag aaactaacia 180
 gctgatggta cttgatttca cagccacatg gtgtggacct tgcaaactca tggaccctg 239

<210> 28122
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700892853H1

<400> 28122

gaacattggt gctgcagatg acgttattgt tggggatata agagatgctg aaagtattgt 60
tcctgcaatt caaggtatag atgccctcat aatcctcaca agtgcagttc cacagataaa 120
gcctgggtttt gatccaacca aaggacaaaag accagagttc tattttgagg atggggcata 180
tcctgaacag gttgactgga ttgggcagaa aaatcaaata gatgtcgcca aggctgct 238

<210> 28123
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700892858H1

<400> 28123

gaaggttttc gcgatggcat cgaaacggat cttgaaggaa ctcaaggatc tccagaagga 60
tcctcctacc tcttgacgcy ccggtcctgt tgctgaagac atgtttcact ggcaagcaac 120
aattatgggt cctccagaca gtccttatgc tggaggtgtt ttcctagtca ctattcattt 180
ccctccagat tatcccttca agccacccaa ggttgcattc agaacaaagg tatttcacc 239

<210> 28124
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700892863H1

<400> 28124

gaagatctct agagaaattg cagatgccag tggaaaaacc atgccagtag aggaaatctt 60
gaccattaat gtcaagcctg gctggaagaa aggaacaaag atcacattcc ccgagaaggg 120
aatgaacag ccaaactga cacctgcaga ccttggtttt attatagatg agaaaccgca 180
cagtgtcttc gcccgcatg gaaacgacct tggtgtaacc cagaagattt ctcttgca 239

<210> 28125
 <211> 236
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700892869H1

 <400> 28125

 gcgaaaatga caaccacctt cgcgaccgtc gcaggactcg gtggtgcatc actgtcatcc 60
 acctcatctc gtctcacctc agggtttgtg aaatcgccag tgagtgctag gaatcccttg 120
 aggcaagctg tggcaatggg aaatgggagg gttacatgct tcgagaggaa ttggctgcgg 180
 gcagattaca gtgtgattgg gtttgggttg attggttggc tagcaccctc aagcgt 236

<210> 28126
 <211> 238
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700892872H1

 <400> 28126

 tgagcttatt atttattagt acttttagcta tgtcacttct gttggttgtc atgttctttt 60
 cctttctttt gttttcttct cagtatgatg attcatatta cacatgggtc taagttgaag 120
 tgccaaatta tttttctggg ctatgtccct aacgtcttta ttttttcatt cttcaaagtc 180
 gcattgggtaa cctgtacgtt gacataagga caagttactc cttcctctga attggatg 238

<210> 28127
 <211> 237
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700892875H1

 <400> 28127

 cggcaagggtt tggctccaac aagagaaacg agcaatcata tggatattga ttttttagggt 60
 ggaagaaaaa tcagagttag agaaaaaatc gatggagatg gaagtagaca tcgagaagaa 120
 gcaacaagac gtggtgaaag agaaagactt gttcaaagct gcagaagagg gcgagggcatc 180
 aacgttcgaa gctctctctt ctgaaatcct ctccaaagcc ctctctctca gaaacga 237

<210> 28128
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892877H1

<400> 28128

caaatccttg caccattctt ctttgatcc cttatctctg ccgcgaactt gccccaagtc 60
 ctacgcctca caccocggta atgcttccat accggtggcg cgtgaacttc acgctcctcc 120
 ctagggtggt ctcttttgca tgctaaggaa tcgtttgcat catggacgac accctccaag 180
 ctgaacgtag ggcttgggaa tgcattgtac gttgcagaat agcaaacttc gtggtt 236

<210> 28129
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892880H1

<400> 28129

aaatttaatt ccagtagacc catgcacacc agaacacttc cttctgcggc gggttgcttc 60
 ctctctttac gagcctttcc attcactcca tcgattcggt gggcgcggt gctgcgaaac 120
 cgagctagac cctgatcggt gtcggcacac cgccggagaa caagatgac gtctgcgtcg 180
 ccgtcgtcgg tcaccagaac aatccgctgt acattcagag cttcacggag gccgacga 238

<210> 28130
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892885H1

<400> 28130

cactctttga tatacttatt ctatttatctt gcaagaactt gcaaattttt aggtcttagg 60
 gtggaagaca agctaattta ccaaattttg agcaatttgc agttttccag caccaccacc 120
 tagaagacaa caaattcatg tgcacaatga ggatattgaga aggttagag agattttcct 180
 tcagccacct caaagatcca cattccaaat aaacacacaa gctccccac cggtaga 237

<210> 28131
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700892903H1

<400> 28131

ggcaattcga gtcttgaatc cctctttcaa ccttaacact ctcacttcg tttccgctgc 60
agcttttttac aactccacc gctgcttccc cttcacctcc gatttcgtta atcagagatc 120
aaaatgtctc gaagatatga cagccgtaca acaatcttct ccccggaagg acgtctttac 180
caagtggaat atgcaatgga ggctattggg atgctggtac cgcaataggg atcttatcaa 240
aagatggggg agtgctggtt ggt 263

<210> 28132
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700892913H1

<400> 28132

ctttttactc gttgaatatc tgggtgccaga cattaagaaa aattcacgat ctactcaat 60
agagtagctt ctttttggtt ttactgtgct ggactgatat gtacttcacg catcaattat 120
ttcttttctc taattttggt gtgatgatat ttctgtttct tatgaaggat ggaattaaga 180
gcaagaaatc attgaagact actcaacaat caaaatatcg attaccagga aaaggcagcc 240
caacttctat aaacaagggg ag 262

<210> 28133
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700892916H1

<400> 28133

agcaaatatg gaatctgaag cactgatatg ggggtgacaaa ctcatactga agggattgtc 60
attccgtggt tttcatggag cactaccgga agaaaggaag ctaggccaga agttcgtggt 120
agatgttgat gcatggatgg atctgaaagc agctggcaaa tctgatcact tatcagatac 180

aattagttac acagatatat atgatatagc taaggaaatt cttgaagggt cacctcaaaa 240
ccttctggag tcagtggcac aaaaa 265

<210> 28134
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700892924H1

<400> 28134

gcttatggct tgctctctga attgaccgtg catgagattc tcaccttctc tgttatagct 60
gcttccaatg atgagcttgc tgagctttac tggagtgtg gtttgacgga caaagctcca 120
ggctctgtgc agaaacttat tgacaggagc aaacatattc tggctgtcaa gtttgttttt 180
gagttcaatc ttgctcataa gattccacca gttcccattt tggaagctca tgtgaatgag 240
tctcagaaac ttgttaaag 260

<210> 28135
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700892928H1

<400> 28135

gcgatgatga agctgacaag gctgtgaaga cacttctggc cttaaataa cacaaggata 60
agtactcagg tggaggcaat aatgggtgaca ctgacaatga tggtgacgtt gatgctgaca 120
atgatgaaga tgatagttag gaagatttcg attgttctga atcaaaactc gatgcagcag 180
aagcaataga agttgcatga tgaatataag atagagctaa atggggaatt ttttgctctc 240
ctactgatta tacctgaagg 260

<210> 28136
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700892930H1

<400> 28136

caagggtgaa gagaagcaat ttgctgcaga agaaatctct tctatggtgc tcatcaagat 60
 gcgtgagatt gctgaggctt accttggctc cacggtgaag aatgctgttg tcaactgtccc 120
 tgcttacttc aatgattctc agcgtcaagc taccaaggat gctggagtca ttgctggtct 180
 taatgtgatg cgaattatca atgagcctac tgcagctgcc attgcttatg gtcttgataa 240
 gaaggccaca agtgttggtg a 261

<210> 28137
 <211> 266
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700892932H1

<400> 28137
 gccacacttc gaccaactnc nccaananca nctggtagtc ttgacaaaag cttccgaagg 60
 gacacaaaaa attgctaaac cagaaaaaac cggggaagag aaacctgcag caaccaaagt 120
 ctcaagtatg tttggtggaa ctagagataa atgtgccggt tgtcaaaaaa cagtgtatcc 180
 cactgaaaag gttactgtga atggnactcc ttatcacaag agttgtttca aatgcactca 240
 tggagggtgt gttattagtc cctcca 266

<210> 28138
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892935H1

<400> 28138
 gcagagcaac aggagttggt taagaagcac atcgaggag caactaaata cctgctctct 60
 aagattaaag atttccaatt ttttgttggt gagagcatgg gtgatgatgc ttgcttggtc 120
 tttgcctact acaaggacgg cgctgctgat ccaacattcc tgtactttgc atatgcctta 180
 aaggaggta agtgctaagt gacttaatgt accgagctat ctactcattt tatctagttt 240
 ttttttacgt tctgtcc 257

<210> 28139

<211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700892957H1

 <400> 28139

 attggaatgg gaatttacta tggttatggt gataggagca gtcacagggt gaattggagc 60
 tgagattggt ggaagctctt gagatttacc ctccaatgaa actacaagga gtacatcgtc 120
 actttgtcct ttatgggtctg atggaatttc taaggaggaa gtttgacaga caattttctt 180
 ctgaggaggt cctacaattg ctggatcggt tctacaactt agaaatgctg aaaacagatg 240
 atgacgagat tgat 254

<210> 28140
 <211> 196
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700892961H1

 <400> 28140

 tattttctta aagaagcagt tcagctcgaa aataaaattc tctttatccc tattacttgt 60
 gggagttggc attgcttcta tcacagacct tcagctcaat tttgtgggaa ccattctttc 120
 ccttctggca atcataacga catgtgttgg ccaaatacctg accaacacaa tacagaagaa 180
 gcttaacgtc tcttcc 196

<210> 28141
 <211> 154
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700892969H1

 <400> 28141

 ggagctgact ggcctattga ttatacaaag gagaattttg aagacctgtc tgaaaagttt 60
 gatgtggtgt atgatacagt agggcaaact gaacaggcat tcaaggtttt gaaagaagga 120
 ggaaaagttg tgacaatagt accacctgga ttcc 154

<210> 28142

<211> 187
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892975H1

<400> 28142

ctaaactaaa aatggatcga gaatggggat cgaagccggg gagcggaggt gcggcgtcgg 60
 cgcagaacga agccatagac cggcgagagc gtctccggcg attggctctg gagaccatag 120
 acctggcgaa ggatccctat ttcatgcgca accacctcgg aagctacgaa tgcaaactct 180
 gtctcac 187

<210> 28143
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892976H1

<400> 28143

tttccggttt cactcttcta aaatggcgaa tctagcacgc ttctccaaga gagccctaag 60
 aagcgcacac gcgctagcaa ggccccacgt gcagcctcag ctgctgacag cagaacgcgc 120
 tttttcgacg gatgcgccga catcgattac cccgtcggcg gatcgcggtga agtgggacta 180
 ccgtgggcag aggaagataa tcccgttggg gcagtggctc cccaaagttg ccgtgggatgc 240
 ttacgtggca ccca 254

<210> 28144
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892978H1

<400> 28144

ttaggactaa agttttccac ccaaatatca acagcaatgg tagtatttgt cttgatattct 60
 taaaggagca gtggagcccc gccttgacaa tatctaaggt tttgctctcc atttgctccc 120
 tattgacgga tccaaaccca gatgatccct tggcgcctga aattgctcat atgtacaaga 180
 cagacaggct caagtatgag acaactgcta ggagctggac tcagaagtat gcaatgggct 240

agcaaattgg aata

254

<210> 28145
<211> 120
<212> DNA
<213> Glycine max

<223> Clone ID: 700892982H1

<400> 28145

gttgtgccca ggaagacgga atttcccacc tggcctccga caccgttcat tacgacccta 60
cagatctcta ttcttgggtc caaagcatgt taaccgaact caacccccgaa cccaacaaca 120

<210> 28146
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700892987H1

<400> 28146

ggtttctctt tctctttctc tgtctgcttc ttcactttct ctcgtttcaa tcgaaaaaaa 60
tcatgggcag aaaattcttc gtcggtggca actggaaatg caatgggacc actgaggagg 120
tgaagaagat tgttactact ttaaataag ctaaagtccc tggagaagat gttgtagaag 180
ttgttgtgag cctcctttt gtgttccttc cttttgtaaa aagtttgctg cgccctgatt 240
tccatgtctc g 251

<210> 28147
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700892989H1

<400> 28147

cacttgggta tccccctcca cataaagaac cttatgattc tgtgcttcaa ttgaatgaga 60
aacttcaaaa gcaaacaatt tcatctacta gtaggcctac cgagggacaa caaaagcaaa 120
acaagtgcag cacatgtaat gtttctttcg atgactctaa gctgtacagg gaacatcaca 180
agagtgaatg gcacaaacac aatatcaagc gtaagacaag gcaactccca ccacttactg 240

aggaagagtg

250

<210> 28148
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700892992H1

<400> 28148

ggctgtaaga acaggcacag ttgcagtggc ctaatcaaag aataatccat gacatgatga 60
tgagtgggga aagtgcccaa tttttgaagg aaaaaaagat ggaatattgg aatggaaaaa 120
gttccaaatg aagaagtga atcatcaata atccatgaag attctgataa cccgggatga 180
atcttcaatt cgccgccttt gtaaagaaaa aagttgggtt ttccattgag ccaaaattct 240
ttgttgattt tt 252

<210> 28149
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700893001H1

<400> 28149

actaattcgg agaccttgca agacttcac aatggctgtc aaagtttata ttgtgtacta 60
ctccatgtat gggcatgttg agaaactagc agaagaaata aagaaagggg cttcctctgt 120
ggaaggtgtt gaggccaagt tatggcaggt acctgagaca ctgctggatg aggtgcttgg 180
taagatgagt gcaccacca agagtgacgt accagtcatt accccaatg aactatccga 240
ggctgatggc tttgtattcg gcttcccaac a 271

<210> 28150
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700893005H1

<400> 28150

gcatgatgtt cttgggattg ctatggaaga gaaaagggtt ggatttgggg accagaaaaat 60

taacagtcac gttgattgga cgcttggatc tttcataatt gaaacaatgg cagaaccctt 120
 tgaattggaa catatagata cagggatgat tgttggcaat gaatcactca catatttttc 180
 attatttgca tttcttttct tattcatact tgctgcattc tttgtaatgc aatggagaaa 240
 gccacaattg aagacggt 258

<210> 28151
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893009H1
 <400> 28151

ctttggtaag gtgagagaat agggaaaagg gaaatatggc atttgcagga acaactcaga 60
 agtgcattggc ttgtgacaaa acagttttatc tggttgataa gttgacagca gataaccgag 120
 tgtaccataa ggcttgcttc agatgccacc actgcaaagg aacactcaag cttagcaact 180
 ataactcttt tgaggggggtt ctttactgca ggccacactt cgaccaactg ttcaaaagaa 240
 ctggtagtct tgacaaa 257

<210> 28152
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893012H1
 <400> 28152

gaaaagggtg gctggcagga tcaagccata tgtgctatca gtcaaacttt gtccctttgt 60
 aaatctggtg caggaaagcg tagaggctca aatggtagag cagacatatg gttggctttc 120
 cttggaccg atagacttgg aaaaaggaaa attgcttcag ttcttgcaga gactatattt 180
 ggaaaccctg aaagcctaatt ctctgtggat cttggcttcc aggacagctt ttacccattg 240
 aactcggttt ttgaa 255

<210> 28153
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893015H1

<400> 28153

caattcctaa ttgtttaaac ctaattctca tttcttcacg gttcgattct tctcctccta 60
aagatgcaga tcttcgtgaa aactttgacc ggtaagacca tcacccttga ggtggagtcc 120
tccgacacca tcgataacgt gaaagctaag attcaagaca aggaagggat cccacctgac 180
cagcagagac ttatctttgc gggtaaacag cttgaggatg gtogaaccct tgccgactac 240
aacatccaaa aggaatcc 258

<210> 28154

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700893016H1

<400> 28154

gtgcagcatc gtagagaaat aagggaaaaa tgggtgctgct gaaactgcag aagcgctctt 60
ccgcaagcgt gctcaagtgc ggcagaggaa aggtttggct tgaccccaat gaagtcaacg 120
aaatctccat ggccaattct cggcaaaaaca tcaggaagtt ggtaaggat gggtttatca 180
tcaggaagcc aaccaagatt cactcccgct cacgtgctcg taggatgaag gagggaaaaga 240
ggaagggccg ccactccggt ta 262

<210> 28155

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700893018H1

<400> 28155

ggatgaagat ggctttctat atatgactta cagtggagag aacacatttg ggcttgtggt 60
ctgaaataat ccgtcgtgac aggcaaccat ctgaatagaa cttcctaaaa ttgaccaatg 120
ttaagaagtc agcttaattg taaattctct ggtttgatgc tttttatgta aagtttatta 180
tgtctactgg aacttatttg aaaattgtcg tgtttctatc agttctaaat tgaataagtt 240
taaggggatg tttgttcttt g 261

<210> 28156
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893022H1

<400> 28156

tggagattca caggtggaag ctatgttga caagactata tgtgccatgt ctagcgtgtt 60
 cattggagcc cctggttcca ctttactga agacatcctg cggctgagaa aggactgggg 120
 atcagcatcc atgtgtgatg agtatctttg ccaaggtgag gaaccaaaca taatagcgga 180
 aaatgaatga caacaaaaaa aggtcttctc aagcccatga ctcaggtcca gcacgtattt 240
 tcttctgccca tgattggg 258

<210> 28157
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893023H1

<400> 28157

agaaaatttg ctattagatg cttatgggaa ccttaaagtt tctgattttg gtttgagtgc 60
 cctctcccag caagttaggg acgatggact tcttcatact acatgtggca ctcctaatta 120
 tgttgctcct gaggtcctta acgatagagg ctatgatggg gtaactgcag acttgtggtc 180
 atgtgggggtt attctctttg tattggttgc aggttacttg cctttcgatg accctaattc 240
 tatgaacctg tata 254

<210> 28158
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893025H1

<400> 28158

caaaagagat cgttgcagag attcctacct atatcagagt cttcagcgac ggcaccgtgg 60
 aaaggccaag agaaacaccc tttgtgccac cctcaattga tgaccctcaa accggagtct 120

catccaaaga catcgatc tcacaaaacc ccttagtctc tgctcgaatt taccttccaa 180
aacttaccac aataaatcaa gttcccatct tggctcttctt tcacggtggt ggcttctttt 240
tcgaatccgc ttt 253

<210> 28159
<211> 262
<212> DNA
<213> Glycine max
<223> Clone ID: 700893032H1
<400> 28159

gaagtaaata aacgacactc acactatact aaagaatttc gtttcgtttg tacaaaacaa 60
aagctagcac cgttctgcgg cggtccctc cgtcacgctc ttacagagc tcccccggtg 120
accacaatcg ccattcgccg ccgcagacga cggcgctcat ggctcagccg ccgttcgac 180
cgttctacct ttaccaacat gatgagcaga gcaacatcaa cacgctattt gtctccggtc 240
taccagacga cgtgaaggcg cg 262

<210> 28160
<211> 261
<212> DNA
<213> Glycine max
<223> Clone ID: 700893034H1
<400> 28160

gagtattaac ccagatgaag ctggtgctta tgggtgctga gtgcaggctg cgattctcag 60
tggcgagggt aatgagaaag tgcaggatct tcttttggtg gatgttactc ctctatccac 120
tggtttgag actgcaggag gagtcatgac tgtgttgatt cccagaaaca caaccattcc 180
caccaagaag gagcagggtg tctcaaccta ctctgacaac cagcccgggtg tgttgattca 240
ggtctatgaa ggtgaacgaa c 261

<210> 28161
<211> 257
<212> DNA
<213> Glycine max
<223> Clone ID: 700893035H1

<400> 28161
 cttagacgcc gcacgccacc accgtcactg tttcaatcct cgaactgtgt cttcttcgct 60
 ttctgggtctt tttattaggt tttgttcac gatccatcgc caaacatgcc ttccagtcac 120
 ttgcttctcg aggaacctat taggatgggc tccatccttg agccatccaa gcctagtttt 180
 ttctctgcaa tgacaaagat tgttggtacc ctgggacctt aatctagatc cgtcgaaacc 240
 atttctgggt gcctcaa 257

<210> 28162
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893039H1

<400> 28162
 ctattatgaa atcgacaata cacctacagg aacttggtgt gtttgtgtgg ttggtggtga 60
 aagggtccctt gttgccaact tctcagctgc aaattgctac aagtctgagc atttgacgag 120
 accggaaaat tgggcattag ttgaaaaggc caagtattac tacatttctg gctttttcct 180
 cactgtatct cctgattcca tacaattggg tgctgaacat gcagctgcaa ataacaagat 240
 cttcatgatg aa 252

<210> 28163
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893043H1

<400> 28163
 ttgagacaga gaaacacagt gggattgcag agttgcttga aatattgggc agcataatta 60
 atgggttttgc tttgcctttg aaggaagagc ataagctgtt tcttgcccgt gcgttgatcc 120
 cgcttcacaa gcctaagtgt gttgctcttt atcatcaaca gctttcgtat tgcataactc 180
 agtttgttga gaaggacgtc aaactagccg atactgtggt aagaggcctt ttgaaatatt 240
 ggccgataa 249

<210> 28164

<211> 249
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700893044H1

 <400> 28164

 cagacttcgg gctagctaga ttgggaccat ctgatgggct gactcatgtc tccacagcgg 60
 tcgtaggaac aatgggttat gcagctccag aatatgttca aactggacgt ctcacgtcaa 120
 agagtgatgt atggagctat ggtgtcttcc tttatgaact catcactggc cgccgtccaa 180
 ttgatcgaaa tcgccccaaag ggtgagcaga agctgttggg atgggtaagg ccataccttt 240
 cagatggga 249

<210> 28165
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700893047H1

 <400> 28165

 ctgccatgga ttatagatgg ttaatgataa tcaaggtttt aaaaaaatgg tccgcgactg 60
 caattttgac tggttctatc tatgattcta tatgaccaca ttgtgactac atttgagggc 120
 atatgagttg catttgctcg cattttttta caatgttaag gattgcagca aaaccgtgac 180
 tgtggctaca attttaaaat cttgatgata ataatgacta tttttttata tgatttttct 240
 gcatctattg tt 252

<210> 28166
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700893053H1

 <400> 28166

 aaagctgtga gcatggctga tttagagcat gcaaaagaca agatcctgat gggaagtga 60
 cgcaagtcag ctgtcatatc tgcggagtca cggaagttga ctgctttcca cgaggggtggc 120
 catgcccttg tggccatcca tactgatggg gccctccctg ttcacaaggc aactatagtt 180

ccccgtggaa tggtcttgg catggttact caattgcctg accaggacca gaccagcgtt 240
tcccgtaaac aga 253

<210> 28167
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700893058H1

<400> 28167

ccggaaagac catcaccctt gaggtggaaa gctctgacac catcgacaac gtcaaggcca 60
agatccagga caaggaagga attcccccg atcagcaacg tctcatcttc gccggaaagc 120
agctcgagga cgcccgtagc ctgcccgtact acaacatcca gaaggagtca acccttcacc 180
ttgtccttcg tctccgtggt ggcattgcaga tcttcgtcaa gactctcact ggcaaaacca 240
taacctt 246

<210> 28168
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700893060H1

<400> 28168

tgcaggaggt atgcatgcgg gattgcccac atatgtccat gtaaatctga gagacataga 60
agatgctaaa ttaaggaag gggaagaagt gtctctagag tcaactgaagg cgaaagggtgt 120
gattaatcca tcaggaagag aaaggagact tcctttgaag atcttgggtg aaggagaact 180
gagcaagcag ttgacattaa aagcccgcgc cttttccaca tcagcaaagg agaaacttga 240
gaatgctg 248

<210> 28169
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700893063H1

<400> 28169

aagagagtga ccccttaaca tgtcagtgtc acaaactcta actaacttcc cccatagtca 60
 tatttcgtcg tcacaacatt agaagggtca tcttgtttat gcccgacatg ttcctttttg 120
 taaatctgtg tgcatttaga gttgcactta tagatgattc ttgatatcat cagcaatttt 180
 ttatccaata ttctattatg cctttgctgc ttgtgtcaca tggtccgttt cctcttttat 240
 taactttgcc a 251

<210> 28170
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893064H1

<400> 28170

ctctctctcc ttctcgctct ttcagctttg acttttggtg gaaactaagg cctaatacaa 60
 atggtgaagt tcacagctga agagctacgt cgtattatgg actataagca taatatccgt 120
 aatatgtctg tcattgctca tgttgatcac ggaaaatcaa ccctcactga ttctcttggtg 180
 gctgctgctg gtattattgc tcaagaagtt gccggtgatg tccgtatgac tgatacccgt 240
 gcagatgaag ctgag 255

<210> 28171
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893067H1

<400> 28171

ggtagtttct tttcagttcg aacatgatgg ggtcgagacc taggatgcac caaaacgggc 60
 accaggacgg aggacggagg acggaaaacg gttaaaagaa gagaagggtc aagtagttga 120
 tgtctcgcta agagagacat atgtgcttag cgagtgcacat ccgctaagca aagcatgcag 180
 ctgcttagc atgttggaac accctagaat aggatcagtc agagatgtgc tcgcccagca 240
 tgccgcaaac ttg 253

<210> 28172
 <211> 247
 <212> DNA

gagc

244

<210> 28175
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700893080H1

<400> 28175

gattgacagg cgatctggca aagagcttga gaaggaaccc aagtttttga agaatggtga 60
tgctgggtttt gttaagatga ttccgaccaa acccatggtg gttgaaactt tctctgagta 120
ccccccactt ggtcgctttg ctgtcagggga tatgcgtcaa actggttctg tgggagtcac 180
caagaacgtg gagaagaagg atcctactgg agccaaggct accaaggctg cccagaagaa 240
gaagtgaatc gtg 253

<210> 28176
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700893083H1

<400> 28176

catgagaccc taccttcacg agtttcttac ttcagtttat tctgagtatg acattatgat 60
atggctcggca accagcatga agtggattaa agtcaagatg gaacaacttg ggggtgttgga 120
caatcctaac tacaaaatca ccgcacttct tgaccacatg gcaatgatca cggttcagac 180
ttcttctcgt ggggtctttg attgcaagcc tcttggtttg atctgggcta agttccctga 240
gttctac 247

<210> 28177
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700893086H1

<400> 28177

gcaattcact ctgtacaatt cttcgttcgt tctctgcagt tatatccttt ttgagcttca 60

atggcggacg ctgaaacctt cgctttccag gctgagatca accagcttct aagtctcatc 120
atcaacacat tctacagcaa caaggagatt ttcttgctg aatcatcag caatgcttct 180
gatgctttgg ataagattcg attcgagagc ttaaccgaca agagcaagct cgatgctcag 240
ccagagc 247

<210> 28178
<211> 242
<212> DNA
<213> Glycine max
<223> Clone ID: 700893089H1
<400> 28178

cccggatccc aatccctaata ctttctacca ctctcactcc aaaaatctct aattttttca 60
tctgggaaga tcggttgacg aatcgaggat ccgatcgctt gcgaggaact agggtttcaa 120
tcgatcgcat cacacacaaa caatcatggt tagccggatg ttcggtaaac ctaaacagga 180
aaccaatgct gttgccactt tggacaagct aaacgagaca cttgaaatgc tggagaaaaa 240
gg 242

<210> 28179
<211> 194
<212> DNA
<213> Glycine max
<223> Clone ID: 700893090H1
<400> 28179

ggaagaacca gctgaagaat ctgatgatga catgggtttc agtctgtttg actaatttat 60
gtaatgcttt tgttgagttt atttggttag aattgaagtt gtgtttgcct ttcatttcag 120
gtgttatttt agtgtattca tgttacattg caactacttt taatttccat agttaattaa 180
agcttcaacg tttc 194

<210> 28180
<211> 243
<212> DNA
<213> Glycine max
<223> Clone ID: 700893092H1

<400> 28180

gaagattctg gtgaatgcgt agaaaaggaa aataaagaaa ttagcgtgaa aaatggtggg 60
 tgtgttcagc agctccatag tgtcgccgcc ggaggagctc gttgccgccg gcagccgtac 120
 accgtcgccg aagatgacgg cggcgccgct gcggaagtgg ttcgaggaga agaaccctc 180
 cgcagtgtcg gtggaggtcg gagagcatgt ccagctcgct tatacccacc agaacgagtc 240
 gcc 243

<210> 28181

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700893095H1

<400> 28181

taccaggttt gaaagagaag atggcactgg aggaaatgtt gatacgatgc caactgaaga 60
 tccttctaataa ggccttactc aaccaagctt gcaaattgaa gatacagacc aaggcaatat 120
 gcatgagtta agtgaggtag atactgagca atctcagcgg ggtgatataa ttaatgatga 180
 aagcgatata gttgatgatg tagatttgat tgaatctatt gctctggaag gggagcaaca 240
 ggaagaa 247

<210> 28182

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700893096H1

<400> 28182

gtttcccaat ttccattgcc tccgcttcca cctcgcaacc atgatcatcc cggagaagaa 60
 ccgcaaggag atctgcaaata acctcttcca agagggagtt tgcttcgca agaaggactt 120
 caatttgccc aagcaccctg agatcgacgt gccgaatctg caggtgatta agctgatgca 180
 gagtttcaag tctcgcgagt acgtgagaga aacttttgct tggatgcact attactgggt 240
 cctcaccaac g 251

<210> 28183

<211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700893109H1

 <400> 28183

 ttttgactga tgaattgagt gttaaacttg aaaaaactga gaaaagtcta gaagaaactg 60
 agcagtcatt gtttgatctt gaggaaggc acaacaagc aaatgcaaca atcaaggaaa 120
 aggaattttt gatatcaaat ctctaaaat ctgagaaagc acttgaggag cgtgcaattg 180
 aactgcgagc agaactcgag aatgctgcat cagatgtgtc aaacctcttt tctaaaattg 240
 agcggaa 247

<210> 28184
 <211> 238
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700893136H1

 <400> 28184

 gatcaaatgc tcccaaacag atgggaatgg aagtcctgca aagaggacag tgcttcatga 60
 tctttatgag aaagaagggc agagtccatg gtatgataat ctctgcagac ctgttacaga 120
 cctttcttct cttatagcaa gtggtgtcag aggcgtcact agcaaccctg cgatttttca 180
 gaaagctatc tcatcatcga atgcttacia tgatcagttc agggaacttg tgcaagca 238

<210> 28185
 <211> 241
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700893142H1

 <400> 28185

 gttcgtcttt catggggccg cagtccttca aacaaacagg ctccaggcaga tccaaaccag 60
 tggaatggtg gtgctggttc tgggtggtgga tactatgggt atgctgcaca aggttatgaa 120
 aattatgggt atgctcctgc tgctggacag gatcccaaca tgtatggcag ttatccgggg 180
 tatcctgggt accaaccacc tcagcaacag caacaaatag gatatagttg agaagagaat 240

g

241

<210> 28186
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893143H1

<400> 28186

gcttttgaca ggagttgggt tcttttctct tatattgttt gggggcccg c ttgcacctgg 60
 tcttgcaagt cttggaatga ctccacttct agctgctgta tatgtgggtg ctttgcagaa 120
 catatttagc aagagtgcc agtacagctt atttgatccc tgcaaagaaa tggcctacat 180
 tccattggac gaggatacca aggttaaagg gaaggcagcc attgatgttg tgtgcaatcc 240
 a 241

<210> 28187
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893146H1

<400> 28187

cccgatccc aatcccta atcttctacca ctctcactcc aaaaatctct aattttttca 60
 tctgggaaga tcggttgacg aatcgaggat ccgatcgctt gcgaggaact agggtttcaa 120
 tcgatcgcat cacacacaaa caatcatgtt tagccggatg ttcggtaa ac ctaaacagga 180
 aaccaatgct gttgccactt tggacaagct aaacgagaca cttgaaatgc tggagaaaaa 240
 gg 242

<210> 28188
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893147H1

<400> 28188

cggttaaactc caacttcaat atcttcaatt cacaactcta aatttatcac atgcctttga 60

aaattctcag tagatgaagg ctttgaactg atgagaagct tcaacacttt gtcaagcatt 120
 tcgaattcat tagtgtcgga cacttaagaa tcacaagata ttctctttgg ctgcaccagc 180
 ttggagatta ccgaccacct gctctgcttt aagtgacttt tggggccagt aatgaaacac 240
 aaca 244

<210> 28189
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893149H1

<400> 28189

gtgttacttg atgaaaacct ggaagctaga gtctctgatt ttggaatggc taggtatatg 60
 agtgctatgg atacacattt gagtgtgagc aactggcag gcacaccagg gtatgttcct 120
 ccggagtact atgagagctt cagatgctct accaaagggtg atgtctacag ttatgggtgtg 180
 gttttgttgg agctgctaac tgggaaaagg ccaacagatt cggctgattt tggtgataat 240
 a 241

<210> 28190
 <211> 241
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700893155H1

<400> 28190

cgagcttcac aaagatgaat cgggaaaaat tgatgaagat ggccggtngc ggtagaact 60
 gggggaaagg gcaccgtnga gaagaaagaa gaaggctgtc cacaagacaa caaccacaga 120
 tgacaaaagg cttcagagca ccctgaagag aataggggtg aatgccancc cggctattga 180
 ggaggtcaat atctttaagg atgacgtant tatccagttt ctaaatecca aagttcaagc 240
 a 241

<210> 28191
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893162H1

<400> 28191

gtcaaagtgtg gtcaagtttg aagtgcagct ttacaaaact cgtgaggaga aatatctgct 60
tgatcttcaa aggggccagg gccacagtt tcttttcttg gatctgtgcg ctgctttcct 120
ttcacagcta cgtgttctct agtgaagctc acaagtcgca aaggagacct tgaggtgtct 180
tgtgtggcat gtgaataagc ttacgttgta catatcaatg ccctttcagt atgggtatat 240

<210> 28192

<211> 217

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700893168H1

<400> 28192

gtttccacac ccaaganaag aagcaagagc tcgaantcta cagatccatt cgaggaagat 60
gaatgttcac ccagatgtca actttgaaga acttgctcgg tccacagatg atttcaatgg 120
agctcaactg aaggctgttt gtgttgaggc tggcatgttg gctctacgcc gtgatgcaac 180
tgaggtgaac catgaggact ttaatgaagg tattatt 217

<210> 28193

<211> 237

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700893192H1

<400> 28193

ccaagcttga acccgaaagg aaggtccaac ttgcaaaaga ncttggttg cagccaaggc 60
aagttgctat atggttccaa aaccgaagag caaggttcaa gaccaagcag ctagaaaaag 120
actatggcgt gttgaaagct agttatgata ggctcaaagg tgactatgaa agtcttggtc 180
aagagaatga caagttaaaa gcagaggtga attctctgga gagcaaattg attcttt 237

<210> 28194

<211> 239

<212> DNA
<213> Glycine max

<223> Clone ID: 700893195H1

<400> 28194

gtgattgaga ggttcgagaa ggaggctgct gagatgaaca agaggtcatt caagtatgcc 60
tgggtgcttg acaagctcaa ggctgagcgc gaaagaggaa ttaccattga tattgctttg 120
tggaagtttg aaaccaccaa gtactactgc acagtcacgc atgcccccg acatcgtgac 180
tttatcaaga acatgattac tggtagctcc caggctgatt gtgctgtcct tatcattga 239

<210> 28195
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700893201H1

<400> 28195

ggggtgaaca tgcactccga cgatatccaa caggagagga acgctgcatt gcttgcaaac 60
tttgtgaagc tatatgtcct gcacaagcaa tcacaattga ggctgaggag cgagaagatg 120
gaagccgcag gacaactcgg tatgatattg acatgaccaa gtgcatttat tgtggatttt 180
gtcaagaggc atgccctggt gatgagattg ttgaagggcc aaactttgaa tttgctacag 240
agac 244

<210> 28196
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700893206H1

<400> 28196

gcagatcttc gtcaagaccc tcaccggcaa gaccatcacc cttgaggtgg aaagctctga 60
caccatcgac aacgtcaagg ccaagatcca ggacaaggaa ggaatcccc cggaccagca 120
acgtctcatt ttccgccgaa agcaacttga ggacggccgt acccttgctg actacaacat 180
tcagaaggag agtactcttc acctcgtcct ccgtctccgt ggtggcatgc agatcttcgt 240
t 241

<210> 28197
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893243H1

<400> 28197

gagacttggt gcgaaagttg aaagcacgaa aatggggtgg gtttgggaagg atgacaacag 60
 cgacgatggt cgacgcgata actcttcgga acgatgcgcc accaccaagg tcgtcaaatac 120
 tcagtgcaga acagaggagg tcgaaactgg aaagtctgct agaaagtgcg agaaaaccga 180
 agagattctc aggaattgca tcggaaagcc cgccgaagtg ttgcaatcaa acaaaga 237

<210> 28198
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893248H1

<400> 28198

aaacataatc atcaagcaca cacaatctca ctactcgaaa cagatcgaat agagatatat 60
 atagttagag agagagaata ttatacagag agataagtgc aataatggag tgttgtaaga 120
 gggatatatga gtgggttatgc aattcaaaat cataacttgat aatattgagc ttgcaatttg 180
 gctccgccgg catgtacctt atcaccatgg atgctctcaa taagggcatg agtcattatg 240
 tgttt 245

<210> 28199
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893267H1

<400> 28199

atcctgatga tgatgattct tgttcagttg cttcaataac tgcagcttct gtgcgatcaa 60
 tcaagtccag gacaactggt gttctgctc ctgtgtttcg gtccagtcaa cgtgcagaaa 120
 aacggaagga gttttatata aaattagagg aaaagcagca agcaatggaa gctgagaaga 180

atcaaagtga agctaggacc aaggaagaga tggaggaagc tatcaagcag 230

<210> 28200
<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: 700893272H1

<400> 28200

gcagaccagg gcaactggtg ctgtgtaccc ttctcgaaga taggaagatg gaagggcgtg 60
ttagattatc ctgtctcacc aggatgcgga tgaaaacata caagattatt tatcgggttt 120
gtggggagaat gttttttgaa gcattgacgg agtaatcttg tgccctgggc aaaatatgat 180
tttaagttgc cgggtgctatc tccactttct gtagtaattt atttctccca 230

<210> 28201
<211> 116
<212> DNA
<213> Glycine max

<223> Clone ID: 700893320H1

<400> 28201

aattaatact ccaatgggga atgccttggg gggaaagaaa accacaaagg tgatgaagat 60
tgatggggaa accttcaagc ttaaaacccc aataaaagtt tgtgatgtgc taaaaa 116

<210> 28202
<211> 122
<212> DNA
<213> Glycine max

<223> Clone ID: 700893331H1

<400> 28202

gcgtcttctt gttcctctcg cccagaatcc gagatcaacc ccgacgaagg caaggggttt 60
ttctcggctt cttcagattt ctgaaatggc gcctgtttca gctttagcca agtacaagct 120
cg 122

<210> 28203
<211> 111

<212> DNA
<213> Glycine max

<223> Clone ID: 700893382H1

<400> 28203

ccgaagccct tcagcaacca tgctgaggag aaaggtagg gagccaaagg aggaaaatgt 60
cactcttggt ccagccgtta gagacggtga acatgttttc ggcgtggctc g 111

<210> 28204
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700893406H1

<400> 28204

gcagcactgg agctgctaag gctgtaggaa aagttcttcc agcgctgaat ggtaaattga 60
ctggaatgtc cttccgagtc ccactgttg atgtttcagt tgttgacctt actgtcaggc 120
tagagaagcc agcacctatg agcaaatcaa agctgctatc aaggaggaat cagagggcaa 180
actgaagggt attttgggat acaccgaaga tgatgttggt tctactgatt ttgt 234

<210> 28205
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700893429H1

<400> 28205

cagagatggg agctattggc tttggagccc ctcttctcc acttccgttt catcttcgcc 60
tggtcttctc tccttctcct ttggccttcc caataatcca caaattccaa aacgcaggca 120
agtcagtgat aaaatctgtt caaagaaaaa tgcaaatca aggggtggta ctctctgctc 180
tgcacctgtg caagttgata tgcaggagca ggaggtagt gatattactt tgag 234

<210> 28206
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700893449H1

<400> 28206

taaatttgag gaaaggaaga aaatccaacc atcaaatgca atttctacca caagaattaa 60
 tgttctgct cctccacag catctgagca ggtaactcct attaccaaac ctgagcatgt 120
 ggagaaagt gaccagtagc accacaacca ccagcttccc aaccacaagc tgaaacatca 180
 aagcaagcta cagacacagt tcaaaatatc cctccaaaag ttgactatgc tacagac 237

<210> 28207

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700893462H1

<400> 28207

tagcattcca tggatcatgtc cacactattg atcctttctg gcacatgttg ggattgggat 60
 atcaggaaaa tacaagtttt gctgatgctg agactgctgg tgatcatccat ttcaatggca 120
 gggcaaagca tggctagata tagcttttcc ccattctaaag ccattgtgga ccaagtacat 180
 tgacttttca gattacttca taaagagttg tcacattagg gcattgta 228

<210> 28208

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700893470H1

<400> 28208

caacagctgt ttacgtgtat ttgtattcag tatactacta ctatgtgaag acgaagatgt 60
 caggcttctt ccaaaccagc ttctattttg gatacacttt gatgttttgt cttggactgg 120
 gaatctgtgt ggagctgtgg gttatcttgg ttcgaatttg tttgtgagga ggatctacag 180
 aaacatcaag tgtgactaag gctttttag gagtctgaga ccag 224

<210> 28209

<211> 128

<212> DNA

<213> Glycine max

<223> Clone ID: 700893473H1

<400> 28209
 ctgcaatagg tgcaccagcc acacctccac ctgttgaccc tgtgccagat ttacttggag 60
 atttgatggg catggataat tctattgttc ctattgatca gccagctact cctactgggc 120
 ctccttac 128

<210> 28210
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893481H1

<400> 28210
 gcttaggaag atgaggctgc atactcttgt gtgaccaaag ttgcttcctc tatctatcgt 60
 gttcttcgcg ttagggtttg cgtaattttc agatagaaaa aactgacat cattgtattg 120
 tgcggttcag aagatgagtg aagacgtgga gatgaaagat caggcaacgc cttcacactc 180
 gctttcttca gttcctccat ctgcattgca gcatttgaag gaaatagcat 230

<210> 28211
 <211> 221
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893488H1

<400> 28211
 aaaaggagca tcgagtaggt ttcctactcc cttctcatcg ttggcaagat gagtgccatg 60
 aaattttgcc gtgaatgcaa taacattctg taccctaagg aagacagaga ccagaaagtt 120
 ctctcttcgc ttgccgcaac tgcgaccatc aggaggttgc tgataacttc tgtgtgtata 180
 ggaatgagat acatcactct gttggagagc gcactcaggt g 221

<210> 28212
 <211> 224
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893494H1

<400> 28212

attcgggctt tccgctggag tccgagttgg caacgctttg gtgttggaga tcgtgatgac 60
 cttcggtttg gtgtacacag tctacgccac tgccgttgac cccaagaagg gcaatttggg 120
 aatattgctc ccatcgccat tggtttcatt gttggcgcta acattttgtt gggtagggcc 180
 ttctccggag cagccatgaa ccctgctgtg acatttgggc ctgc 224

<210> 28213
 <211> 210
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893495H1
 <400> 28213

ttttcttttc tcaattttta ccccccccc tgatttcagt ttcttatttt ctggggcagg 60
 tctttttcaa aaaattcccc cttacaatta ttcactgtaa aatcttagga ccgattctgc 120
 attcttggtg caaattctta ttattattct ggcaccaact gtaagatata tcgctaatta 180
 aacaaagatt ttctaccagc tttcattgtc 210

<210> 28214
 <211> 232
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893509H1
 <400> 28214

ctctcttgtt acacattcta cattctctct ctattatttt tcaccctttt tctctctttt 60
 gcaaagaaaa caatttaatt aagtcaattt gtacacaaat ggcttctcaa gtttgtgaaa 120
 ctttggtttt catcaacggt gatgatgggt tgaaaatcaa cggtgctctt ctaatgtccc 180
 tgatggaaga gccatcacca agtgatgaga gtgatgatga tcgattggat ag 232

<210> 28215
 <211> 230
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893526H1
 <400> 28215

002220" ETTES60

tgttactggt ggagagtcag ttacctcacc tgctgctctt aatttagctg gactcctttc 60
tgattgtgct gagcttttct ctagaatatt gagaacccta tttgaagttg ttatatattga 120
gaaccgtggc aatcattgga ctcttagccg agccattttg agcatgatac taatcagtga 180
agagatgttc acaaagtca aggctcaaatt tttggtttcg tatccaccag 230

<210> 28216
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 700893535H1

<400> 28216

gaagtttaca gcttgtcgac gagtggtgcc aataggccct atttgtaatt gtaggaatga 60
tgagttgaga aaaagtgtga gcttttgga agaagatatg agctgcttga agtggctaga 120
aaagcagaag gccaagtcag ttgtatacat ctcatcggga agttgggtga gtcccattgg 180
ggaagcaaag ttgaaaaatt tagcactggc actcgaggct tcagggagg 229

<210> 28217
<211> 226
<212> DNA
<213> Glycine max

<223> Clone ID: 700893539H1

<400> 28217

tggtgctcag aaagatcttc agtcacaag aatcagagac aggagaaacc ctcttcggct 60
tgacacgagc ctggaagtgg atccttcgag acacgaaaat gaccctagca cccatgttgc 120
tgctggagaa ccaccaatt cacctgaacc ctgcgcacta catcagtga attattagag 180
aaggcacaaa aaatggcact gctttcttta agtgccatgg acatga 226

<210> 28218
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700893548H1

<400> 28218

ctccattttt tttcaacacc ctttatgacc cttacagaga aggtgctgat ttcgtccgtg 60
 gatacccttt tagtcttcgt gaggggtgcc cactgctgt ttctcatggc ctctgggtca 120
 atatacctga ttatgatgct ccaacacagc ttgtcaaacc cctcgagagg aacaccaggt 180
 atgttgatgc tgttcttacc attcccaaag gaacattggt ccccatgtgt ggta 234

<210> 28219
 <211> 223
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893567H1

<400> 28219

gtggcagtgg gaaggttggtg gacagtgggtc ctgatgatca tatatttgta tactatactg 60
 accatggagg tcctggggtg ctcgggatgc ctgctgggtcc ttacttatac gcggatgatc 120
 tgattgaagt cttgaagaaa aagcatgctt ctggaacata taaaaaccta gtattttatc 180
 tggaggcatg tgaatctggg agtatctttg aaggtcttct tcc 223

<210> 28220
 <211> 222
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893571H1

<400> 28220

tgagcaatcg ccaaagattg ggccctgcag gccttgcttt gcattatgca aatatagtgc 60
 ttcaaattga tactcttggtg gctagatcct ctatacctgc aaatacaaag gatgcattat 120
 atcaaagctt gcctcctaata ataaaattag ctctgcgctc caaattacca tcccttcgtg 180
 ttgtagaaga gctaactata gcagatatca cagatgagat gg 222

<210> 28221
 <211> 225
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893576H1

<400> 28221

gttgtaactc gttcttcttc ttttggtgtt ctgtgtttgt gtttgttttt tctctcacct 60
 gaaaatgtct tgctgcggtg gtaactgtgg ttgcggaagc tcctgcaagt gcggaacg 120
 ctgcggagggc tgcaagatgt acccagactt gagctacact gagtcaacca ccaccgagac 180
 cttggtcatg ggagtggcac ctgtaaggc tcaatttgag ggtgc 225

<210> 28222
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893594H1

<400> 28222

aatcagagct cagcgataag cagaaagtgg agatcgcgaa atggttcctc ctcaactctc 60
 ctcccgaga aatccaatac gttgccaaag atgtgaaatc gattctcaac aacgacgatt 120
 tgtacaagga agccgcttcc gaggcttttc cctattacaa caaatcgcac ttgatttcca 180
 ttccaatgcc caaccgaagc ggagacgtac tggttacttc gtccggt 227

<210> 28223
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893596H1

<400> 28223

ctgggcaact gctctgctgt acttggtggtc tctcgtagct cctatcatgt ttccagaaag 60
 ggagttctga gcatcacgtt cctcagttcc aagtttctga gggaaaatgt gtcacctaac 120
 tactatatag tcgagtgggtg ttgcttttta taataggata tacggtatgc atctatatca 180
 gcatacattt gaataaagtg ttacgaatga catgattccg agtggtg 227

<210> 28224
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893605H1

<400> 28224

tgaaaattga cgttgtacaa aaatgtacat tcccaaccaa cccaactatc tatgcaatta 60
 aaaataatag tacagtagta taaatagtat cagaccacca atagcgaaga caataacagt 120
 aagtaacgtg gacccccctaa gcaattatct gcgacatgtg aatattgtaa gatattaagt 180
 attatcaatc gtctttcaaa taaaatcaat gtgtctctca gggatatcaa ttgcttaata 240
 aaa 243

<210> 28225
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893621H1

<400> 28225

atcaacccca attacttcat gtctggacaa gaggcacgtg agccttgtaa caaccacct 60
 gtggagcagc ataataaac cagtgtactac tttacaata ctgggagtgg cacttttgct 120
 tcttcttccc ctttgaacaa cgttctcct aattccacca gctcttatgc tgctgtcatt 180
 gggaactcca ggtacctcaa accggttcag tcccttcttg aagatcttgt tgatgttgg 239

<210> 28226
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893626H1

<400> 28226

cttcttagtg ctgcttcttg cagcccttat cctcatgcct caagggttg ctacttacta 60
 caaaccaatt aagaagccac cagtgtacaa gcctccagtg tacaagccac cagtgtacaa 120
 accaccggtt tataagccaa aaccaccggt ttacaagccg aaaccaccgg tttacaagcc 180
 accatataag aagccaccat acaagaaacc accttatgga aagtaccctc cagtag 236

<210> 28227
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893643H1

<400> 28227

tgaaaaagga gctgcatgaa gtaaagagga aaagtgtgc tcttcaaatg caacagtttg 60
 ttggagagga aaagaacgat ttattggatt acttgagatc tcttcaacct gaacaggtag 120
 ctcagctttc cgaatttaca tccctgagc ttaaggacac catcctcttt gttgtccatg 180
 gtctccttgc taccctttct cctaagatgc attctaaacc ttccaccatc tcag 234

<210> 28228

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893655H1

<400> 28228

gaaaaatgac gcagaaggcg aatcttttca agggtaaagc aaagaagaaa tcaatacctc 60
 ccaatcgta tgggaaagtc cctgttactc gtaaaggaaa gagattcgtg aagccatcca 120
 aggttataaaa ggatatggat actgatcgag gtgagcaaat tcattaacca ctgcaatgag 180
 atcaaagcag cgactctagc aacgaaggat ggtgggcaac taggcatcat taagcc 236

<210> 28229

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700893675H1

<400> 28229

gtttcgacct ctgttgttga gccttacaac agtgtcctct ccactcattc tcttcttgag 60
 cacactgatg tggctgtcct gctcgacaat gaagccattt atgacatctg caggcgttca 120
 ctggacattg agaggccaac ctacaccaac cttaatcgtt tagtttctca ggtgatatca 180
 tcactgactg cttccctgag gtttgatgga gccttgaatg ttgatgtcaa 230

<210> 28230

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893678H1

<400> 28230

tggaatgca atgggaccac tgaggaggta aagaagattg ttactacttt gaatgaggct 60
 aaagtccctg gagaagatgt cgtagaagtt gttgtgagcc ctccctttgt gttccttcct 120
 gttgtaaaaa gtttgctgcg ccctgatttc catgtttcgg cacaaaactg ttgggttcgc 180
 aaaggtggtg cttataccgg tgagggttagt gctgaaatgc ttgttaattt ggg 233

<210> 28231

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700893684H1

<400> 28231

caactttcaa gggatgatag cttttgtgg cataaggatt aaggaggcat aaaggaccaa 60
 ttgctttgga atattcactc atgacaaggc acaaggatcat gcgtgtatgc caacacatag 120
 taatgatgtg tgtttttatt cagtaggcaa ctggcagatc gggttttccc ttgtcacttt 180
 tgtataatta ttttgaaga atttatgatg tcaaagttat tgtttaatat ta 232

<210> 28232

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700893689H1

<400> 28232

cttaatttct ctctgccttg ctcatattaca cacctctcca acctttcact ttcagcttta 60
 tttgaatccc tctctctcct ttccaaatgg ccagcgttga ggttgacat caaacaccaa 120
 caacagttcc agaaaatgaa acaaccgagg taatcaagac ccaggaaaca accccggaac 180
 cagtaccagc cactgaggct cctgcaacag aacaagcagc agctgaggt 229

<210> 28233

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700893693H1

<400> 28233

cggatatcca gatagctaga gaagctgagt taatgagaaa acgacatgat aatttgcagc 60
 cgaggcaaca agtttccagt taacttgtgt gactgccccg tgtctttag aaactacaga 120
 aatctcaaata gaaatggctt cccttgtatt tgttcatcac aatgcattcc tgtggctgtt 180
 ggttgcgcaa gtgaccagat gaatagctga agcagattgc attggtgtaa 230

<210> 28234

<211> 134

<212> DNA

<213> Glycine max

<223> Clone ID: 700893712H1

<400> 28234

gactttttat attgaatttt aaaataattt gtatcagtat ataaaaataa aatttcattcc 60
 taggtttaat tttgatcccg ccactgtcag ttgtaaaatt tgaagaagaa atttcagatt 120
 gtgttgtatt tttt 134

<210> 28235

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893731H1

<400> 28235

cctttttctt ttatctgtag tagctgaatg aaccacaggt taaaataaca cacaaagaat 60
 catccgagtc aatgtgtagt aggaactcca tggcactgta atttcttctc attacccttg 120
 gatgtagtag tttagattgt tagtcctatg ttgttacagg tataatttca agtctttgta 180
 cagctggagc attaccaga gagaaagcat gcatagatga agtggtaaaa ccgtaa 236

<210> 28236

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700893745H1

<400> 28236

cgaatgctct gtggaagata tgatgcttct aatgatgatg gctacagtct ggaaaatgag 60
 cctttaccag gttcagactc aattgaggca tccaggagaa gagaagagg tgctcgagca 120
 ctggaagaac gattggctgc agagagggtg gctgctgcac gacgtgagtt gcaaagagag 180
 gctgaggaaa atgtgtaatt cctcagattt tgtaaatttg gatcagttca gc 232

<210> 28237
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893778H1

<400> 28237

gtttgagtta cccaactgct tcatattcca caatgccaat gcttgggagg aggaagatga 60
 agttgttctg atcacatgcc gccttcagaa tccaaatttg gatttggtcg gtgggactgc 120
 caaggaaaag cttgaaaatt tctcaaatga gctgtatgaa atgagattta acatgaaaac 180
 ggggtgaagct tctcaaaaga aactatcagc atctgctgta gatttt 226

<210> 28238
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893866H1

<400> 28238

ccacgggtca cccatgagat ccgcagtgtc tggatatcat acagaaaggt tccccatacc 60
 tcttgctatc tgcagtggaa ggcgtgaaaa gtgtggaatt gagaaggaga acaacttcaa 120
 gcagcccga gagagatacc ggtcttgggc acctgacagg caagatagat ttgctcgccg 180
 atgggttgat gctttatctg acccacgggt caccatgag atccgcagtg tctgg 235

<210> 28239
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893910H1

<400> 28239

cgtggatact attcagtgga gactggttaca cttttggtgg ctttgaaagt ccgttataga 60
 gatagaatca caattctcag gggaaatcat gaaagccgtc aaattactca agtgtatggc 120
 ttctatgatg aatgcttgag aaaatatgga aatgcgaatg tctggaaata ctttacagac 180
 ttgtttgatt atttgctct gactgccctc attgagagtc agattttctg 230

<210> 28240
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893924H1

<400> 28240

ggcaaactct ggcaagttga gggtacttga cttgactgaa aatgatagag tgttcaatat 60
 tggtaagtac agcaagaatg aaaataaatc tgatgccac agaatgggtga ggactggtct 120
 tcaaaaagaa ggatcaagag tgatttttgg tgttcctaaa cctgggaaga aaagaaaatt 180
 tatggaagta agcaagcatt atgttgcaga tgggacaagc aagatcaat 229

<210> 28241
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893927H1

<400> 28241

gtagtttcag gcgctctagg aaataaccagt ccaggaggat tcccaattgc tcgacctggt 60
 acaggtgggt tgatgccagg gatgccagg accaggagga tgcctgggat gcctggaatt 120
 gataatgaca actgggagat gcctaagaca agatcaatgc cgagagtaga catgtcaggc 180
 atgcaaactg gaggacatag ccagtctccc tttctttcca agacatcc 228

<210> 28242
 <211> 226
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700893942H1

<400> 28242

gcaaattgtg gtatcatcat ttgagcaagc agcgggttat ggggcggcaa aatcttacac 60
 tgcccttgcc ctaaaaacta tctcaaagca attcagggtgc ctgaaagatg caatctctgc 120
 acaaatcaaa gccacgagca agacattggg tgaagatgat tgcttaggag ttaaagtaga 180
 nnggtcaagg cttaggtatg ttgaccacca tcttcggcaa caaagg 226

<210> 28243

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700893943H1

<400> 28243

gtcaatcttc aatgtaaagtg ggaaggtaaa ggatactcta atttttaata cttttgttct 60
 ctgccaaagt ttcaacgagt tcaactctag aagtatggag aaacttaatg tgttccaagg 120
 cactcacaaa aaccacttgt ttcttggaat tgtggggatt actttggttc ttcaagtatt 180
 gatggtggaa ctctaagga agtttgctga tacggagaga ttaaca 226

<210> 28244

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700893959H1

<400> 28244

aatttccatg gcttctgcgg atgttgaata ccgatgcttt gttggtgggc tcgcttgggc 60
 cactgacaac tacgatctgg agaaagcctt ctctcagtac ggtgacgtcg ttgaatcgaa 120
 gattatcaac gatcgtgaga ctggaagatc caggggattt ggatttggtta ccttcgcctc 180
 cgaggattca atgagggatg cgatcgaagg gatgaacggt cag 223

<210> 28245

<211> 217

<212> DNA

<213> Glycine max

<223> Clone ID: 700893965H1

<400> 28245
 ccacgttcac aagtgggtg gtgatgcttg tttccagagt tgggttgagc cttttatatt 60
 gaagtcacag ttgtacagta ttgtgaagga cagaacacaa gtggataggg aattagagtc 120
 tctaaggagg gacaaagtac tgcgtgtttt caaattaaat actggacaag atgatcatgc 180
 cataatgttt ttggatgact acctaaacca gatagat 217

<210> 28246
 <211> 217
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893968H1

<400> 28246
 gtcggatttt catatggaaa aagaaaagtg gtcagcttat tctgtgcatg gatctgtgtc 60
 atctcaatcc aagatggatg ctgatgagaa agtcaccccg caagttttta agggacacag 120
 gaattgtgag acggtgaagg gtgttaactt ttttggacct aaatgtgagt atgtggtgag 180
 tgggtcagat tgtggtcggg ttttcatatg gaaaaag 217

<210> 28247
 <211> 222
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893972H1

<400> 28247
 ggtgaattga cttatggcaa aattggtgag tggagatttg ataaaaggtc acatctacga 60
 ggacctccac caaaaaactt gcccttgccc ccaccagggg ttcctgaaag tgtggttaacc 120
 cttgtaaaga tggatgaacga ggctagtgtt aacattccaa attgggactc atcttccacc 180
 tcatcatgat gatatcccaa gtgcacattt cgaaaaggaa aa 222

<210> 28248
 <211> 227
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893979H1

<400> 28248

gcaacccttc tcttccttta tgtcactgtg ctcaccatta ttggctacaa aaggcagact 60
gatacaacgg taggtggcac cgactgtgat ggggttgga ttttgggcat cgcttgggcc 120
tttggtgga tgatcttcat ccttggttac tgcaccgccg gtatttcagg aggacacata 180
aaccggcggt tgacattcgg gttgttccta ggacgcaagg tgtcggt 227

<210> 28249

<211> 222

<212> DNA

<213> Glycine max

<223> Clone ID: 700893993H1

<400> 28249

aaaagttagg gttcacaact tttccttttc cttttgcttg cgaatctgaa tcaaataatc 60
aatcatccat tcattattca tcatgtcgtc ggcaagaaa atcacgctga agagtccgga 120
cggcgaggct ttcgaggtgg aggaggcggg ggcgctggag tcgcagacga taaagcacat 180
gatcgaggac gactgcgccg acagcgcat ccctctgccg aa 222

<210> 28250

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700894003H1

<400> 28250

ctgtaagttc acaattgttg ggcaggagtt cacaaaaagt ggctggggat ttgcattcaa 60
tgctagacat caaaacctca acataaggaa gtcacatcaac aactgctgca acccctccag 120
ctttagggcc acgccgaagg gcatcaatat aatcctccat gttgaggttt tgatgtctag 180
cattgactgt aagttcacaa ttgttgggca ggagttcaca aaaagtgggt ggggatttgc 240
attccaaagg 250

<210> 28251

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700894017H1

<400> 28251

```
cttcggttcc tttcttgggt ccttcccca cccaatcttc gccttcgccc acaacaactc 60
ctccttcagg atcgctgcca acgttacttt ccatttttac ccttcctcct cgagaaaaaa 120
atggcgaacg cagcatctgg tatggccgtc catgatgagt gcaagctaaa gtttctggag 180
ctcaaggcga agaggacgta ccggtatata gtttttaaga ttgaggagaa atcgaagcaa 240
gttattgtgg 250
```

<210> 28252

<211> 248

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700894021H1

<400> 28252

```
ggtttttcca gagttgtctt tgaagtctta aaacttgctg cacaaaataa caaactatct 60
cgggtcttct gcacagaggg aagaccagac cgaacagggt tgcggttgct gaatgagctg 120
gccaaacttg atgtttcagt gaaacttcta atagattctg ctgttgcata tactatggat 180
gaggtggaca tggtttttgt ggggtcggat ggagttgntc gaaagtgggg gcataatcaa 240
catgatgg 248
```

<210> 28253

<211> 270

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700894027H1

<400> 28253

```
aggtntctacn gatctgggta cccnngnaa ntttttntct taggtttctc cggnttctta 60
tctcngagt gncagggggc tnaagcacia ncggttgact ngctctcaagg nttaantctc 120
gntncttcag gngtctnatn gctaaagagg tccatggaaa atcctgaggg caggggtggga 180
ggctgctata aatcctcatt tctccaanta tacaggtgna ncnatttaa ggcgcnnctc 240
```

tggagtccaa acnaacggct naagaaggaa

270

<210> 28254
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700894030H1

<400> 28254

ttccaatata ttccattctc tctgtgtatt tcctacctc tcccttcaag atgcagatct 60
tcgtcaagac cctcaccggc aagaccatca cccttgaggt ggaaagctct gacaccatcg 120
acaacgtcaa ggccaagatc caggacaagg aaggaatccc cccggaccag caacgtctca 180
ttttcgccgg aaagcaactt gaggacggcc gtacccttgc tgactacaac attcagaagg 240
agagtactct t 251

<210> 28255
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700894035H1

<400> 28255

ggaagagtca tttacttttt ggggcacccc agaaggatgat attgttcatc ctgcagagtg 60
catggaacaa ttacttgaga aagttaggcg tcatagagtt aatattgatg gcaatgtttg 120
tactgtcatg gtgacaacct tagttcttga gggttggcag cgaaaacttg atcctgggta 180
caatgtgatg cagacattgc agacattgct acttagagct gattgggcaa agtctctttc 240
gtac 244

<210> 28256
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700894044H1

<400> 28256

gttggtgcaa agcatccttc gtttcaattt ctctctctca gcgctttctg caatcgaacc 60

tttcatctcc aaagggatcc acaggccgaa ggagaaatgg ggctgacatt cacaagctt 120
 ttcagtcggc ttttcgcgaa gaaggaaatg cgaattctga tggttggtct tgatgctgct 180
 ggtaagacca ctatcctgta caagctcaag ctcgagaga tcgttaccac aattcctacc 240
 atcgggttca atgtt 255

<210> 28257
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894067H1
 <400> 28257

cagcaatatt ggcttcgtct tctctggggt ttgatagtga aatgagcttt tactatatat 60
 gtggagctct attgtttttc gccttgcttg gcctttctgg gtgcttcatt acctgctatg 120
 atcgaagagt acgcaatgat ttagctcagc cttgtagaga actatgtctt tgttgctgtc 180
 aacctggagt ttgtgcagac tgtcatttgc caggcactct ttgtatgtgg actgattgca 240

<210> 28258
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894071H1
 <400> 28258

gaccttggt gcatttgatg aggataactt gattccttgt tttggatttg gggatgcatc 60
 aacacatgat caagatgtct ttagtttcta tccagatgaa cgaatttgca atggatttga 120
 agaagtgttg agtcggtata gggaaattgt tcctattatt cgacttgcag gtcctacttc 180
 atttgcacca atcgttgaaa tggccatgac aatagttgag cagactggag gccagtacca 240
 t 241

<210> 28259
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894077H1

<400> 28259

gttatcttct agtatttttc aagtaactta aggtttcaaa cctaggaagt tggaagtcac 60
 ggcagcaaca ttgatggcag caacaagttc tggcactctt aaagcaactc ctttcctagg 120
 ccaaggcaag ggtgccaatg ccaatgctct tagggatggt gtttccatgg gaactgggaa 180
 gtacaccatg ggcaatgatt tgtggtatgg accagacaga gtgaaatact tgggaccctt 240
 ttcagctcag accc 254

<210> 28260

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700894094H1

<400> 28260

gggagtgcag cgtagtcgca gtacacgact tgctcaactt caaccaaaat ctaaacgcaa 60
 gtttggtcga ccttagagca caagtgcgca accaaagaaa acactttgcc acgggtcaat 120
 caaccagcgg agcagaccca gtccatgccca tgttccaatg caggaactac ctctccatca 180
 ctgactgcac cacctgcttt gccaccgctg ccaccagaat tcacaactgc tccactggaa 240
 acgggtgcca tgctg 255

<210> 28261

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700894104H1

<400> 28261

atgtttttct ctttttttcc tacgggtgtgg ccaggctggt cacttttagcg aaggatcaaa 60
 aaccctgtga aagtgtgttt gtttggtcga gttgattgaa ttcgctggca gcttacagct 120
 atgatcatca acaacgcccc ttttcctcta tgattgattc gattcgattg aagtcgattc 180
 cgtagagagt gagaaatcag atcacaataa tcatcgatgg gtaatttggt cgtgaagaag 240
 cccaaggtaa cagacgt 257

<210> 28262

<211> 258
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700894105H1

 <400> 28262

 agctcgtgaa ggagtgcgag agcataattg atgcagtgtt cccggccgag gaagaagctg 60
 aaagagcaaa ggaagcaaaa gaggcgataa ctgtggcagg aaaagggatt ttcagaaaca 120
 cggttgcagc tttgcttaca ctgcaagaaa tcagaaaagg tagctccaca gagagccctt 180
 tttctctgcc tccactcaat ttgccggact ctgatctcat ccaatcaata cagctcaatg 240
 ctgcagttcc tattgtct 258

<210> 28263
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700894126H1

 <400> 28263

 caggcgagga gaaagatgga ggggaaggag caggatgtgt cgttgggagc gaacaagtcc 60
 cccgagagac agccgattgg gacggcggcg cagagccaag acgacggcaa ggactaccag 120
 gagccggcgc cggcgccgct gggtgacctg acggagttta cgtcatggtc gttttacaga 180
 gcagggatag cagagtttgt ggccactttt ctgtttctct acatcaccgt cttaaccgtt 240
 atgggagtcg cc 252

<210> 28264
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700894134H1

 <400> 28264

 ctgagaagga gatgaatcgg cgcaaggaca tgctttcaaa tttgagatca aaagttaatc 60
 agatggcttc cacgttgaac atgtcaaact ttgcaaatag ggatagtttg cttgggccag 120
 aaagaaaacc agatgcaatg accagaatgg ttggcctgga caacaatga cttgttggac 180

ttcagcggca aattatgaaa gaacaagacg atggccttga gcaattggaa gagaccgtgg 240
caagcaccaa a 251

<210> 28265
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700894136H1

<400> 28265

gtgggttcaga aacaaatgag gtttacacct actatagatc gtttcccatg ccagttcact 60
tcacacaaat ttgggtccat tgatcccat tctggtaaag aactgatga tgacaatgg 120
cagtttgttt caagtgtgtg ctggagaggg aaatcgggca tgcttattgc ggccaattca 180
agtggatgtg taaaagtgtt acagatgggt taaagaaaag gttccatgtg acggcgactt 240
tcttacattt gc 252

<210> 28266
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700894140H1

<400> 28266

gttcgtagaa acccctgaag atgggtggcaa aaacttcgac gatgatggac gagtcagaag 60
aacgggtaca tggataactg cgagtgccca tatcataacg gcagtgatag ggtcaggagt 120
gttgtcactt gcatgggcaa ttgcacaaat gggttgggtg gctggccctg ccgttctctt 180
tgcttctctt ttcactactt acttcacttc cactcttctt gccgactgtt atcgttcacc 240
tgatcctgtt ca 252

<210> 28267
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700894147H1

<400> 28267

cctcagccaa cccaaaaggt tagcgaggag aagaaagccc cgaaagttga aactgctcct 60
gctaaagaga agcccaaaac acctcctgcc actctgaagt ctcccactga gccccagctt 120
cctcctaaag aaagagaaag acgagttcct atgacaaggc ttcggaacg agttgctaca 180
cggctgaaag attccccaaa cacatttgct atgctgacta ctttcaatga agttgatatg 240
actaatttg 249

<210> 28268
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700894151H1

<400> 28268

ggctccatgg ctcatgtatgt tcctgctctt aagcactaca gtgatgggaa attgcctttg 60
gtttgtacca tgtatgcttc ttctgagtgc tactttgggg ttaatctgaa gcctctttgt 120
gatcctgggtg atgttgcttt tacgctcttg cctaacatgg gttactttga gttccttcct 180
cttggacata acgggacgct gttgatggac tttgatgaag gggagcaggt tcccaatgat 240
aagcttg 247

<210> 28269
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700894158H1

<400> 28269

gcagcatcaa aatgcaagaa gggaactcta agatactggc tcagtgcagg tcctggagat 60
ttcttgctat catcagcagg atgtccaaca tctgcattct atgcagtagt cattgaccaa 120
gatatttccc aatgcaaaga gggagttaaa gtgattactt ccaacatacc aatgaagcct 180
tctctatttg ccacagccaa aaatgtgaac tatcttccaa atgtcctttc agtaatggaa 240
gctgaag 247

<210> 28270
<211> 244
<212> DNA

<213> Glycine max

<223> Clone ID: 700894160H1

<400> 28270

ctcatgatcc ctgagccatg gtaccatttc cctcataaaa ttctctcttc ctttttgggt 60
 tctcctattc caagcttcaa tcttttctct cttctcacag ctttcttcac tcacaggagg 120
 tgaagatgtc gactccggct aggaagagac tgatgagggg ttttaaaaga ttgcaacaag 180
 atcctcctgc tggcatcagt ggggctcccc aagacaataa tattatgctt tggaatgctg 240
 ttat 244

<210> 28271

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700894161H1

<400> 28271

aaagtgggtg ttggaaagct tgctcctttg ttgttgata tgaggtattc gaaagaatgg 60
 cttattatgg gatatcatca aatttgatcc tttatcttac aacaaagctt caccaaggca 120
 cagtatcctc tgcaacaat gtcaccaatt gggttggcac catttgatg acacccatat 180
 taggcgcta cggttgctgac gctttccttg gccgctattg gacttttgtc atagcctcca 240
 cca 243

<210> 28272

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700894162H1

<400> 28272

aaatatttca gaatttatga aggcataatt gcttagtaat ataaaatcaa cgacaaaggt 60
 ggaaaacagt gacattgcta aaccttaaac cctaattttt acaatccgag ggtgaagagt 120
 ttgatgggtc agcgaaagaa cgacaacaac atcaatcagt gctcctcaag caaggaagac 180
 gctgacatga ataacaacca ccttcgcttt gaagaggctg tcgacgagag ttccaacctc 240

gacca

245

<210> 28273
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894166H1

<400> 28273

gtcggtatgg tgtcgacctt gcaaagcagt tagcaacatg tttgctcagt gttcttggtgta 60
 gttgtgggag tgtaaataatc cttttcagat aggactccac aaaagttatc gaatattata 120
 gtcaaagaac ttggaaataa tccaaaagtt tatatttggg atgggcaaga accaaaccca 180
 caaatggggc atctagcttg ggccgatgca tttgttgta cagcagattc agttagcatg 240
 ataagt 246

<210> 28274
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894171H1

<400> 28274

cacctaacaa gcttggttgg taagttatct acaatctgca tcatggaagg tgttattctg 60
 agaaggggtca ttccttcgga taacagttgc ctcttcaatg ctgttggtgta tgttatggat 120
 catgacaaaa agaaagctgc tgagttgaga caggttatag cagcaacagt agcaagtgat 180
 ccacagaaat attgtgaagc atttcttggg aagccaaaca cagagtattg taactggatt 240
 cttgac 246

<210> 28275
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894178H1

<400> 28275

gtcagaggct aagctgcgtg caacagcagc acgaggagca tgggtgtgctc ttcccagcac 60

ttgcaagtgg agaattggag gttgttgagg ccatggtgga ggaagacccc actgtgttgg 120
 aacacaccac tggtgtgac cgcctttctc ctctgcatgt agctgctgcc aatggctcgga 180
 tcgaggttct ttccatgttg ttggataggt ctttcaatgt tgacgtattg aatcgccata 240
 aa 242

<210> 28276
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894191H1
 <400> 28276

aattgaattt caatttcctt aggggcttaa tatctccccg catttgtgcc tagcctcatt 60
 attatcatag tagatattca ttccccctat ctttctctct tctctctccc cgcccaaacc 120
 ctaactccct accctattcc gctttctctc atccatcatg aaaggaggaa agtccaagac 180
 cgaatctaag agagccgatg ccaaacttgc tgtgaataag aagggcgccg ccaccaagac 240
 ta 242

<210> 28277
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894230H1
 <400> 28277

gcagagtccg catacgcagt ttgcattcgt ttgaactctg ttctgttgcc tccacaaacc 60
 aaaccaggcc caagtagtac agtgaaaacg aaattgaagt atagctaggt gaaaggaagt 120
 agtcaagtac aagagaatgg cgaagtcatt gagatcaaag agggagaaga ggctgagggc 180
 tattcggagg gagattgttg aacctttcta tgacaagaaa gaagctgcta agctcgctgc 240
 cca 243

<210> 28278
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894248H1

<400> 28278

taattcaccc actaaatcac ttgagggctg ttcgaaatct ggttccaggg ataaaaagtc 60
 tggatcttca gcacacaaaa gactaggaga agccgtagtt cagagacttc acaaactctt 120
 taaagaaaat cagtatccag atagaaccac aaaagaaagc ttggcacaag aacttggact 180
 tacttatcag caggttgcca aatggtttgg caatacacgt tggagcttcc ggcattcatc 240

<210> 28279

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894253H1

<400> 28279

ggacagatgg tcaagtgtgg tggcctgctg agatcctgga agaaacatct gcattatcca 60
 accctggcag tgggtggacat gtttttagttc agttttatgg aaatcttccc agtgcctgga 120
 ttgatccaat gacagatatt tcaacttttg aggattcttt tgaagacaag agcaacaacc 180
 cttcagaaga ttttcaacag gcttttaaaga aggccttaca gaggaaggca caacttag 238

<210> 28280

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700894261H1

<400> 28280

gttttccttg tttccoctat tattatctcg ctctcacaaa atcatggcat tctctagtgc 60
 tttgattctg tggtcgttgc tagcaatcaa catggccctg ccaaccctcg caaccgtcta 120
 caccgtggga gatacttcag gttgggcaat tggtagtgat tatagcactt ggactggcga 180
 caagatcttt tcagtgggtg atagtctcgc gttcaactat ggagctgggc acacag 236

<210> 28281

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894267H1

<400> 28281

atttcattgc tcagagttcc caaattctcc ccaagagata aaatgtctct aatcccaaac 60
 ttcttcggtg gccggagaaa caatgtgttc gatcctttct cactggacgt gtgggatccc 120
 ttcaaggatt ttcttttccc aaatacgttt tcttcagctt ccttccctga attttctcgg 180
 gaaaattcag catttgtgag caccctgtgt gactggaagg agaccccaga ggcgcacg 238

<210> 28282

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700894279H1

<400> 28282

cctcccttac ttaattggac taattttccg tgaccgcatt catcaatggt taaagagatg 60
 gcccaagaat gccgcaatga ttaggcttgc tggggaagga agctgggtcc atcaatttca 120
 agtagttgct ctgttttagag tttctccttt tccgtatacc atattcaact atgctgtagt 180
 agtgacaaat atgaggtttt ggccgtactt atgtgggtca atagcaggaa tgggtg 235

<210> 28283

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894281H1

<400> 28283

cgcatctcca cctctcccc tcacctccc accttcccag ttgatggccg agcccaatat 60
 accccaacag cccgatccca agaccgtgct agtccagaaa accattgaca ggcccaagcc 120
 ctggctcact ggcgcactg gatcccataa aaaccacgga aaacacgtca ccgtcaaaga 180
 gagtgaatcc aaggagaagg gtattcacag aaagctttcg cagtctgagg agtctggta 239

<210> 28284

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700894289H1

<400> 28284

ctcataaatt gcaggtgcag cagcagagag tgcggtaggc tcatccgaga ccggaagcag 60
 caatggggat cgatctcaag gccggaggta aaagcaaaaa aaccaaaga acagcaccca 120
 agtccaatga tatctatctt aagctcttgg tcaagcttta tcgcttcctt gttcggagaa 180
 ctggcagcaa attcaatgcc gttatactca agagattggt catgagcaag gtt 233

<210> 28285

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700894290H1

<400> 28285

cccaatttcc attgaacaga aaaggaccac ctcatggggt gccaatggaa aaacttatta 60
 cagatactca acagtcgtga ctaacaaatc taacaacagt ctcaattctc tcaatctttc 120
 aatatccaag ctttatgggc caatctgggg tgtcaciaag tcagggtgatt catacacatt 180
 cccatcatgg ctcatgctat tatcagctgg caaagcctt gaatttgtct ac 232

<210> 28286

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894303H1

<400> 28286

ggtttttcca gagttgtctt tgaagtccca aaacttgctg cacaaaataa caaactatct 60
 cgggtcttct gcacagaggg aagaccagac cgaacagggt tgcggttgct gaatgagctg 120
 gccaaacttg atgtttcagt gaaacttcta atagattctg ctgttgcata tactatggat 180
 gaggtggaca tggtttttgt ggggtcggat ggagttgtcg aaagtggggg cataatcaa 239

<210> 28287

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700894308H1

<400> 28287

gatcgcaaag gacaagcgcg gttggatctt cgatcccata gcacccatta ttgttgatg 60
 caattggaat acggcgctcg ttttggtttg gaagtgttta ccgcgtgttc gtttgtggtt 120
 cgtctctctc attcgaattc ttttctctc tagttcgaat ttctcactca gactctcttt 180
 ttctctgaaa caattctctg aactactgat taaggcagct agtgattatg gtgctttgac 240

<210> 28288

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700894310H1

<400> 28288

gtccctttgg tcttcatctt ctgttctgat ccaggtatgg cttctaaacg catcttgaag 60
 gagctcaagg atttgcagaa ggatcctcct acctcatgca gtgcaggccc tgtggctgag 120
 gacatgtttc actggcaagc cacaatcatg ggacctgctg atagcccata tgcagggtggt 180
 gttttcttag tttcaattca ttttctcct gactatccct tcaagccacc aaaggttgct 240
 tttcg 245

<210> 28289

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700894336H1

<400> 28289

ggaagaagac gaagaagaat ccaaagcaa tcccatctgt gtgtttgcac atcagaaggg 60
 agggctatca aactcaaagg attgctctga atcggtttag tcttcttcgt ttttcttcaa 120
 attcctcgtg acagatctaa tctaactcagg cttttggggg tgtttcagac attgcatgca 180
 tatgggagca gtggttgtgt tggatgctat aaaaggccta cactgagtgc tactg 235

<210> 28290

<211> 150

<212> DNA

<213> Glycine max

<223> Clone ID: 700894341H1

<400> 28290

attggtttgt tcaagacctg gcgtatagat tctagtcaga ctagtcctaa caatggtttt 60

tatggatgtg gtgacagaaa ctattatcac atttttctgg ttttctttgt tgtcctgtga 120

ttttattata aaggaggagt ctattgtggg 150

<210> 28291

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700894342H1

<400> 28291

ccgagacctt ggtcatggga gtggcacctg ttaaggctca atttgagggt gctgaaatgg 60

gtgtgcccgc tgagaacgat ggctgcaa at gtggaccaa ctgctcctgc aaccctgca 120

cttgcaagtg aggtgttggg agagcaagct tcaagcagag atagccctta attaggaata 180

atgataaact attaattgtgt agctaaaaac ttatgtatta tgtctgtgat ggttttcgtg 240

ca 242

<210> 28292

<211> 112

<212> DNA

<213> Glycine max

<223> Clone ID: 700894349H1

<400> 28292

gtaggatgtt cgtgggggacg tggaatgttg gaggaaagtc tccgaacgag ggattgaact 60

tgaggaattg gttgatgttg ccttcaccag ctgatatcta tgtcattggg tt 112

<210> 28293

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700894357H1

<400> 28293
gattgacagt atcagagacg aggttcggct tctgcaatca atctacgagg gattgcagga 60
agatccaagg gaagtgaagg gatacagaaa agaggacttc aggattctgt gggccccagt 120
tgtggatgag tggaatcttc tgcacagggc cgagtatgat aacctgaagc ttgaaatgcc 180
gtggtatgtg gcggaatact tctacccctt ggccggaata aggctcataa gggaggactt 240
g 241

<210> 28294
<211> 234
<212> DNA
<213> Glycine max
<223> Clone ID: 700894382H1

<400> 28294
catgactttc aagcgcagga atggaggctc caacaaacac ggccgcggcc acgtcaagtt 60
cattcgatgc tccaactgcg gcaaattgctg ccctaaggac aaggctatca agaggtttct 120
ggtaggaac attgttgaac aggctgcagt cagagatgtg caggaggctt gtgtctacga 180
acaatacacg cttccgaagc tgtatgtgaa gatgcagtat tgtgtttcct gtgc 234

<210> 28295
<211> 233
<212> DNA
<213> Glycine max
<223> Clone ID: 700894384H1

<400> 28295
agaaggaagc acaggaagag taacgtgctc gattttatcc atagaccaca ccaatatgtt 60
ttacagagtc tgcgccgttt gcgaaagaac tatttccgac ccacttttcg tctgccaccc 120
ctccaaccct cctccaacac gactctttcg catcctcatg tcggttgcca cagacacaca 180
ggttctcact gtcgtctgct tcgacagggt tgccaggctc ctcttcggct gct 233

<210> 28296
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700894389H1

<400> 28296

ggtgttgaag gccgtcgttc acggcgatga aaacctattc aacagctacc cagaattgca 60
 agatgccttg gtttgggtct actttcactc aaacattcca gaattcaaca aggtggaatg 120
 ttggggccca ctgaaggaag cgtcacaccc acaggtgggg tccaggagga ggggttggca 180
 attccacagc catgccaaga agaatgccaa tgttgctttc caccgcttac gttgagcc 238

<210> 28297

<211> 183

<212> DNA

<213> Glycine max

<223> Clone ID: 700894393H1

<400> 28297

gggatgcatac ttatagctcc acggctgaac ttgtcactgt ggatgaggaa gagggctctg 60
 tcacaagcgt tgcctgggct cccgatggat gccatgtagc catcggtttg aacaactcgc 120
 atgtcctgct ctgggattct aatgtttcta ggctggtaag aacattgaga ggtggacatc 180
 aac 183

<210> 28298

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700894405H1

<400> 28298

cttagcggcc attatcatca ctgctgtgat tggctctaata gattatcaat ctgcatacaa 60
 attatggaag gttgacaaac ttgatttctt ggctgtttg tgctcctttt ttggggttct 120
 gttcatttca gtgcttttag gccttggtat agcggttatc atatcagtct tcaagatcct 180
 gcttcatgtc actcgaccaa acactttggt tttggggaat ataccaggaa cacaaatatt 240
 ccacaac 247

<210> 28299

<211> 252

<212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700894412H1
 <400> 28299
 aagggatnna cnntttanac tcctctnntc ttcccggtgg ttgcatcgct ggttgaatct 60
 tngatcagaa ggttgnttca gagnetcccc attcatngga ancactatca tngggggttaa 120
 ctngaaagga ggtgtcggtc tcggagccga atctncgaaa nagcacgnga gtgtatttgn 180
 caaccgagca ttggncaaaa tcatcagtca ntggtaatgt atacgtgtgt cggcctggat 240
 ngggngtgat tt 252

<210> 28300
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894421H1
 <400> 28300
 ctactctcac aactgcaac aacgaaaacc aaagaagaaa aaagagtttc ttctttccga 60
 aatccaagca gtaggggttag ggtttttttc cgatctcaat ggcggaggaa ccggagagca 120
 ccgtcaccac cggcgcccc gacgaatcgc tgctcgataa gatcaccgag aagcttcacg 180
 gccacgattc ttctctttct tcctcttcgg attccgattc cgaaaaaacc gttacttcgt 240
 ccgtta 246

<210> 28301
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894423H1
 <400> 28301
 gtcttggttg taaagaaaga gaagaaaaga gtggaatcga agacgaagac gaagatggag 60
 gacgcatcag catcaaagtt catccacac caaatcggag ggggtccaaaa cgacgtgctt 120
 cgatttggtc tccatggagt caagagcgac atcgttgggt cccacctct tcaatcttca 180
 ctccaatcta caaggagaat ggatgaagcg atgaagaagc aatgcaaagt taacctgtac 240

ggaact

246

<210> 28302
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894424H1

<400> 28302

gcgaactgtc tgaatcgact gtgttatggt ggatcaatga gttggaatat ggtgaatgta 60
 ggagctttgg tactattcaa ggggcactgg gttgatttca ggtcaattgt aaggtctttc 120
 ttgcctttta ttgtggttgt ttgcttaggt gtttttatgg ttggatggcc cttcttactt 180
 gggctactat cttctctttt actcttaata gggtggttta tattgggtac ttacctattt 240
 agaaac 246

<210> 28303
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894445H1

<400> 28303

cttatacgcg gatgatctga ttgaagtctt gaagaaaaag catgcttctg gaacatataa 60
 aaacctagta ttttatctgg aggcattgtga atctgggagt atctttgaag gtcttcttcc 120
 tgaagatatt aatatttatg caaccactgc ttccaatgca gaagaaagta gttggggaac 180
 atattgcccc ggggagttat ctagtcctcc ccagaatat acaacctgtt tgggtgactt 240
 gtacagtgtt 250

<210> 28304
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894446H1

<400> 28304

tggatgatgt tgcggacggc caggtaacaa gaagtattga cactgagcat gggagactaa 60

gtccacagga gcagagcact gtggatgcca ttgttgaggc cagtaaattt cctctttcaa 120
 tcatattggt tgggtgttga gatggtcctt gggacatgat gaaggagtgt gatgacaata 180
 tcccagcccg ggtctttgat aattttcagt ttgtgaattt cacagaaatt atgtcaaaga 240
 atattcctcc 250

<210> 28305
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894455H1

<400> 28305

gtctgaggaa agtgagtgag agaaagagat cgcagacaca gagcagaatg gcttctaccc 60
 aatgtttctt gcaccaccat gctcttacca ccctgccag tgccagatcc ccatcactac 120
 gcatcttggt tagcaccaag cctaaccagc ttgtttgcaa ggcacagaaa caacaaacac 180
 cacaagagga tattgatgtc agcccaatct ctgcgcgttt agctctaact gtgctcattg 240
 gtg 243

<210> 28306
 <211> 149
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894464H1

<400> 28306

tagaaaacca ccatgggtat taattagtct tcctttttct agaattttgc tttatctttc 60
 aatgttatgg ggggagctag tgtgaatcca tctgtgcttg cattgtacaa tagttctttc 120
 aaatatattc tactctaaag ttgtccacc 149

<210> 28307
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894469H1

<400> 28307

gggacatgcg tcaaactggt gctgtgggag tcatcaagaa cgttgagaag aaggatccta 60
 ccggagccaa ggtcaccaag gctgcccaga agaagaagtg aatcgtgcgg gctggttcat 120
 caggggatgt tggttacaat aaatgttggt ttcttttctg tactcttctg tcttcttttc 180
 taggtagctt gtttttcgga caaagtttga agtctccacc atcatctcgc aactggt 237

<210> 28308
 <211> 237
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700894470H1

<400> 28308
 ccggcgaacg cgaagatctc gaagggacgc gaaggagacg gtgcaggaat gcgtgtcgga 60
 gttcatcagc ttcataacgg gtgaggcgct ggacaagtgc cagagggaga agcgcaagac 120
 catcaacggc gacgatcttc tctgggcnat naaaacncng ggtttcnaag tnnctgtggac 180
 ctctgaagat ttacctccag cgttccgcga gatggaggga gagaagaccg tggccgc 237

<210> 28309
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894478H1

<400> 28309
 catattttct tcttttcttc ttatcttatt gttgcagact ttcgggtcat cattgagctt 60
 gctgtagtga ggtgttcaat ctgaaatttc cttaaccaa ttcattggcg aactgatagg 120
 gcctcgcttg tacagctgct ctaattgtag gaaccatgtc tcaactccatg atgatatcat 180
 ttccaaggct tttcatggaa gaaacggccg agcctttctg ttttcccatg caatgaatat 240
 tgtca 245

<210> 28310
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894479H1

<400> 28310

cggtccttca gtccattttc ctttccattt cggatctgat aggaatagat ttcgtcagtg 60
 ttgaaatcac gagaaattca tggctgctcc accggcaaga gctcgtgcgg attacgatta 120
 tctcataaaa cttctcttga ttggcgatag tgggtgcgga aagagttgcc ttcttctatg 180
 attctctgat ggttctttca caactagttt catcacaact ataggcattg attttaagat 240
 aagaac 246

<210> 28311

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700894493H1

<400> 28311

caacttctag ggttttctgt tgctactct tttgctgctc ccattttttc aatccatttg 60
 catttgcatt tccctcttcc actcccttcg ttccgtctac tgacttctga gtaatgcggg 120
 gacggcagag atagggattg ttttggctgt cagattactt tcttttgagg tttatgatcg 180
 tgttgggttt tcaactatgag tgggtgttct aagagatctc atgaggatgc tgttcatcag 240
 t 241

<210> 28312

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894512H1

<400> 28312

aagcttgcta ctgagtttcc aactgcata ccttaggtct tccgaattcg aagttaattt 60
 gcaagatggc taaggaaaag gctcagatca acattgtggt gggtggatcat gtggaccctg 120
 aggaggcaac caccattaac gagctgaaga agcctgttgt ggagaaagaa gctccagggc 180
 atgccatatg agggcatgca cgtacggcct cggaggggaa ccagaaaatt atgttacaaa 240
 ataactctg 248

<210> 28313
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894514H1

<400> 28313

gggagtgatg ctgagccaca aggggctggt gaccagcatt gctcagcagg ttgacggtga 60
 taatcccaac ctctattacc actgccacga caccatctctc tgcgtgcttc ccctctttca 120
 catttactct ctcaactccg ttctttctctg tggcttgctg gccaaaggcta ccattctcct 180
 catgcccaag ttcgatatta actccttgct tgctctcatt cacaagcaca aagtcattatt 240
 gcccttg 247

<210> 28314
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894518H1

<400> 28314

gcgtacgaca aggccgcgta caagctccga ggtgacttcg ccagggtcaa ctcccccaac 60
 ctccgacacc agggttcctc cgtcggtggt gacttcgggg agtataagcc tcttcattcc 120
 gccgttgacg ccaagcttca ggccatttgc gagggcctgg ctgagctgca gaaacagggg 180
 aagaccgaga agcctccgag gaaaacgcga tccaaactcg cttctccgcc agagaacgca 240
 acaacaacga 250

<210> 28315
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894541H1

<400> 28315

gttgacggc gttctcctcg gcatgtgcaa ccctctcctc gacatctctg ccgtcgtcga 60
 cgacgctttc ttgcaaaaat acggtatcaa gttgaacgat gcgattctcg ccgaggataa 120

acacaaacct atgtatgaag aattggctaa caatccta atgtggagtaca ttgctggagg 180
 tgctactcag aattcaatca gggttgctca gtggatgctt caagcaccag gtgcacaagt 240
 tatat 245

<210> 28316
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894546H1
 <400> 28316

ctcttccaat actgatacgg aagggtggta tattagccag gtctgctcta gagctaaatc 60
 ttgttcttca gcagtcctaa ctgatgctga tgttgtaga acttaaagcc aaattgtgaa 120
 gaagtaacat ggctcaatat gcttttaggc aggattgtgc ttaaaacgtg aaggtttcat 180
 gttgggttat tgagatcata gcctacaatt ttgtcttgat gatttgctct atagctgtca 240
 tca 243

<210> 28317
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894552H1
 <400> 28317

gaaatggact ctctccacca ctctcatcgt cactgcactt ggagcaatct tgcacgtaat 60
 atccacttca ctgcttggtta taacagcaat taccatggca aacaccattg ctggtgaaga 120
 aacagtgcac aagggttgctt cacttttgct tgtatttctg ggtggtagtt atataatggt 180
 gtttctgatg ggaaaggggtg gccatagtca ttcacacaac caacccatgg agaaatggct 240
 gtag 244

<210> 28318
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894570H1

<400> 28318
 ctttcaaaag ggagaagaaa aggaaaggaa acaaaacgca caaaggatta ttatagcaat 60
 ggcagaacaa aaccaaaacc agacaactga agctggaagg caccaagagg ttggccacaa 120
 gagccttctc cagagtgatg ctctttacca gtatattctg gagaccagtg tctaccaag 180
 agaacctgaa tccatgaaag aactgagaga gttgacagca aaacacccat gaacatcatg 240
 aca 243

<210> 28319
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894572H1

<400> 28319
 ggcggtctct gatgttttca ctgaggagcc accacccaaa gacagcaagt tgattctgca 60
 tgagctcggt actgcaacac ctcattcttg tgccagtacc atggaagctc aggaaggtgt 120
 ggctattgaa atagcagaag ctgttggttg ggcattgaaa ggggagcttg ctgctactgc 180
 agtcaatgca ccaatgggtc cctcagaggt gttaacagaa ttgaaacct cattgatctt 240
 g 241

<210> 28320
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894584H1

<400> 28320
 ccaaaatgga tgtaaaggca atgccaacat ttttgctgct gaaggacggt gctgcggtgg 60
 acaaggtggt tggcgccaat ccagaagaga taaagaaaag gatagatggg gttgctgagt 120
 ccactcgtgt ctactggca tagttaagca tctgtatgat attctactgt tgcaagttgc 180
 aagatatgtg cttgtggtcc tgactgcac tatggcatct gagtcaaact tttgtgatg 240

<210> 28321
 <211> 238
 <212> DNA

<213> Glycine max

<223> Clone ID: 700894588H1

<400> 28321

ctctttccaa tttttgttga atgtaaccaa caattaaaat ggaatgggta tgttgatatt 60
 gtagtttgag tgttgacatg atataacatg gagacattgc attctatctc tgtaatcttg 120
 aaactctgca tccgtgtaat attacactgt catttttaag catattattg cataagatgt 180
 ggttgatgta tgcttggtga acattgtttt gtctgccttt gtgtgtgtta ttcatgta 238

<210> 28322

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894589H1

<400> 28322

attgatgatc atcacacaaa tgaagacgtt gcccttgcta ttggaacagc tttgctgcat 60
 gcccttggtg ataggaaggg tattaaccgg tttggttaact tctctgctcc tcttgatgaa 120
 gcattgatac atgtttcact ggatttgtct ggccgaccac atctaagtta taatttggac 180
 ataccactc agagggttgg gacatatgat actcagttgg tggagcattc ttccaatcc 239

<210> 28323

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894592H1

<400> 28323

gtcactctcc acaacttccg atcgccggcg tcaactctcc ggctactttc ttatctctca 60
 atgcacgaat gaatgacaac gccttcactc tgtaaatcaa cttcacagtc actgtgtcga 120
 tcaccatgct ctctcgttta attcccaaac cctctcatct ccgtcgcttt ctctcttttc 180
 cggtgaagcc ttcccacgcg cctgcgaatc cctacttcac cgtcgtgttc ccaaacac 238

<210> 28324

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700894609H1

<400> 28324

ataccttcaa gtccttccat cttcttaatg ctttaagcga cctcctgatg cttcctaagg 60
 atatgctctt aaatgcatcc atcaggaaag aggtgtgtcc aatgttttagt gcatcgctaa 120
 tcaagaagat tctagacaat tttgtcccgg atgagttttg cctgatcca attcccactg 180
 atgtttttga agctctggac tcacaggatg atcttaggat gaaaatgagt ctatcagcaa 240
 cttcccctgc aatgcagctc c 261

<210> 28325

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700894628H1

<400> 28325

gccatttgag gtggctttca tgagaaaaag agaaacatga aggagcatgc tgccgatcaa 60
 gctagaaaag gaagacattc tgaaagcccg gctaatacca atgttttagg gattgttgta 120
 ttatatctaa gttgccttac ttgtttatat cataatatta aggcattcct tttgcctcta 180
 gactttgttt tcttaccatt gttaattttg ctcgttttgt aatgttgtag ctttcctcat 240
 tgttattgct tgaactttt 259

<210> 28326

<211> 114

<212> DNA

<213> Glycine max

<223> Clone ID: 700894630H1

<400> 28326

tagagagtgt gtgtgagaga gaatatatat tatattccct ttgtattatc tcggatttta 60
 ctagtattgt tatcaagaag aagggtgaat cggattgcga aagttggcgt ttgg 114

<210> 28327

<211> 115

<212> DNA

<213> Glycine max

<223> Clone ID: 700894633H1

<400> 28327

atttgatgg ataatgttaa gctaattgtt gtaattgat ttattgaag ttaattgttt 60

ctcaacatgt tgtttggttag caatgagaaa attgatctac gatattattt aagtc 115

<210> 28328

<211> 258

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700894637H1

<400> 28328

tttctcaac gctatcgagc caaacccaaa cgtaactca gaagaagacc nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnncc gaaccacttt caactctcca acgtcgccac acgattcatc 120

gcgtttcgca ggctgcaatg gcgacgttcg aactgtaccg cagtacgacg atcggaatgt 180

gcctgacgga gacgctggac gagatggttc agacggcact ctcagccccg agctcgcgat 240

tcaggttctg gtccattc 258

<210> 28329

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700894648H1

<400> 28329

gaaagaagag ctcaaaaagt ctaaggttat taaaatagac tctcaaaaat catgggaaca 60

ccacatctct tatgctacca atcaaaagta ccctattgta gttcatttct ctgctttctg 120

gtgtgtccct tcttttagtta tgaatccttt ctttcaagaa ttggcctcca cttatgaaga 180

tgttttgttt ctgacgttgg atgtggatga ggtaggaaa ttgcctccaa gatggaaatc 240

aaagccatgc ccacctttct g 261

<210> 28330

<211> 259

<212> DNA
<213> Glycine max

<223> Clone ID: 700894653H1

<400> 28330

ctgctttctca ctgatctcca ttccattccc atggcttcca ctgaatcacc ccctttcaag 60
aaaattcaga ttcaaaggga tgacactaca ttgacgcat atgtggttgg aaaagaggat 120
gctcctggaa ttgttgtgat tcaggagtgg tggggtgtgg attacgaaat taagaacctat 180
gccgtgaaga tttctcagct tggtagtggg ttttaagctct tattccagat ttatacagag 240
gaaaggttgg tctggatgt 259

<210> 28331
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700894655H1

<400> 28331

ttcctgtatt aattttttctc tccctgagat taccaagctc tgcaactttg cttctcaaca 60
tgagagtatcg tctcctaccc atttttactt tactcaatct tgcactgggtg gcaatccatg 120
ctgctttacc tctgaagtt tactggaagt cggtgcttcc tactacgcca atgccaaaag 180
ccatcactga tctcctttac cccgattggg tggagagaaa agtacctcag tgaatgttgg 240
aggcaagggc gtaaagtg 258

<210> 28332
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700894656H1

<400> 28332

caagaagctc aactcagctg caacgagtct tcaaaagcaa cttcctgggtc ttaagattgc 60
ggtttttcgac atttacaagc ctctctatga ccttggttcaa tccccttcaa aatctggttt 120
tgtggaggca aacagaggat gctgtggtac cgggactgta gagacaacat ccttgttgtg 180
taatccaaaa tcaccaggaa cttgttctaa tgcacacagt atgtgttttg ggacagtgtc 240

catccttcac aagctgctaa

260

<210> 28333
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894658H1

<400> 28333

ggcacaaatt atgcttgga tgggtgcaagc acctcaagtg gtttcaaaag ttcggccaat 60
 gggttcacag agcaatcagc agtcagtaca actaatataa aaaccaaata ttcagcctgc 120
 tccattattg cctgggcacg gtggtgcaca ggatcaagca ggtgtatctc aaacccaaat 180
 tcctctgagg aacaccaga accaaccttc aggccaattt catctgctgt tcctgcaatg 240
 agtcatcaat ctcagccc 258

<210> 28334
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894662H1

<400> 28334

ccgcctgctg tatgacacca aaggccgatt ccgtcttcac tcagtcatag atgacgaggc 60
 taagttcaag ctttgcaaag ttcgctcagt gcagtttggg caaaaaggta tcccatactt 120
 gaacacctac gatggtcgca ctatccgcta cccagaccct ctcacagag ctaatgacac 180
 cattaagttg gatttggagg agaacaagat tgcgatttca tcaagtttga tggtgggaat 240
 gtagtcatgg tgacaggt 258

<210> 28335
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894678H1

<400> 28335

tggcattcag aaccaactat gaggattcta tagctgaagt agaatccaac gttgaggctc 60

gagaacataa cagcaggtta tggaatcaca gtgcttacia aagcgtggac caagaggctg 120
 aggcgtttat tcagtatgag cataagagga tggaattagc caggcttatg tcaacaaggg 180
 ctgtctgagc ctctcttgaa atatatataa tatattatca taggggcttc atgtgcattg 240
 ttacatatta ttgtg 255

<210> 28336
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894681H1

<400> 28336

caagtgggta agaaggagaa tccaaagtaa cagagcaaac cagcaacaag aatggcaaat 60
 ccaacgcaaa taaaaacaac aacagagaaa caacctctgc ggagacttcc aaggataatt 120
 cgaaaggctc cgaggttcaa aatcagaagc cagagtacat tcatgtccga gcgcgtcgtg 180
 gacaagccac ggatagtcac agcttagctg aaagagttgg agggagaaga ttagtgagag 240
 aatgaagtat ttgcaagatt tagta 265

<210> 28337
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894683H1

<400> 28337

ctggaaggac ttgccacga agattcacca caaggtctcc gagaattgga tcagcgccac 60
 tcttttgctc ggtcccctcg tcggcaccta cgcgtatgtt caaaactacc tggaaaagga 120
 gaagctggct cacaggtact gagctcttgc aagagctgat tggataacct tctagtttgt 180
 tgccttgatc ttgtttagcc acccaataat gtgcactgtt gaaacttgct ctaccgtttg 240
 gttttgatat gtctgagttt 260

<210> 28338
 <211> 255
 <212> DNA
 <213> Glycine max

002220"CTTTC560

<223> Clone ID: 700894690H1

<400> 28338

ggccaacaag agactgcaaa tacagcaaaag acaaaggaga gccagttctt ttcctactgc 60
tatagttacc ggcagatgca aagacaaggt ttacagtttt gttcgcttgg ctgagctata 120
ttatgctgga agccatggca tggatattca agggccaaca agagactgca aatacagcaa 180
agacaaagga gagccagttc tttttcaact gccagtgaat ttcttcccat gattgatgag 240
gtgcaccatc aatta 255

<210> 28339

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700894696H1

<400> 28339

ctgaggttac tgatgctacg ctgtttgcat gcttttctgt ctatcccact tgttcagatg 60
ctagggttat gtgggatcag aagactgggc gttcaagggg atttggattt gtttcattcc 120
gtaatcaaca ggatgcacaa agtgctataa atgatttgac tggtaagtgg cttggaagta 180
gacaaatacg ctgtaactgg gcaacaaaag gtgtggtggt actgaagaga agcaaaactc 240
agatgcaaaa agtgtggtgg 260

<210> 28340

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700894704H1

<400> 28340

ctctgctcgt gcctctaggg ttatcatatc tccatttcca tttcctctct ctgagtttcc 60
aagaatctta agctatggga aagtcttacc caaccgtgag cgctgattac cagaaggccg 120
ttgagaaggc gaagaagaag ctgagaggct tcatcgctga gaagagatgc gtcctcttaa 180
tgctccgttt ggcattggcac tctgctggaa cttacgacgt gagctcgaag accggtggtc 240
ccttcggaac cataaagcac 260

<210> 28341
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894709H1

<400> 28341

atggaatcca tggttccact ccccggaatc tatgaccggt atttcattgc tgccaaccaa 60
 ggagaccgtg ccactaacgt aatcaggggc acaaagaaag aacaagttca acaaatcatc 120
 aaagacatta aggagttcaa agaaagcact aagggtgaca aggtggttgt cctgtggaca 180
 gccaacacag agaggtacag caacgtagtt gtgggactaa acgacaccat ggaaaacctc 240
 tttgcttcct tggacag 257

<210> 28342
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894714H1

<400> 28342

gagggaccca aggtgtgtcc gggaatgcct gagatgttaa caccaacaag tgcaataatg 60
 ggtgcaggtc ttggaaagga agttgcatta ttgactgatg gaagattttc aggaggttca 120
 catggatttg tggttggcca tatatgtcct gaagcacagg aaggtgtgtc aattggcttg 180
 attcaaaatg gagacgtaat caatgttgac atcaagaata ggagaattga tgtttttggt 240
 tcagatgagg agatgga 257

<210> 28343
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894716H1

<400> 28343

tttcttctgt tcttctgtac agcaccacaag attgaagatg atagaccttg cgcgctgca 60
 gaaggagctc gtggaatgca gcaaggacgc ggagggatcg ggcatcaaag tctgccccaa 120

aagcgacaac cttgttctct tgatcggcac cattcctggc cctgtcggaa ctcttatga 180
 agggggcatt ttccagattg atatcacatt gccagatggg taccggttg aaccccccaa 240
 gatgaagttt aaaaccaaag ttg 264

<210> 28344
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894719H1
 <400> 28344

gtggaaaggg aggcaagggt ttgggtaagg gaggagcaa gaggcacagg aaggtgctcc 60
 gcgataacat ccagggaatc aaaaaacccg ccattcgccg tttggctcgc agaggcggcg 120
 tcaagagaat cagtggcctc atctatgaag aaaccgcgg cgtccttaag atcttcctcg 180
 agaacgttat tcgcgacgct gttacctaca ccgagcatgc taggaggaag actgttaccg 240
 ctatggatgt tgtttatg 258

<210> 28345
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894722H1
 <400> 28345

actacctctg ccaattcttg gtcaaatgg gggcaccta atggtaattt tgattggcca 60
 gttggtgctt ctgatgaaat aggtaagcta agaaggcat catcatttga gcttgggaac 120
 aatggtgagg agcctgattt atcttgggtg cagtcacttg ttaaggaatc accagctgac 180
 gttaaaggta aatttgcaac cactgtctca aatgtttcag cagcagcagc tggatcctcc 240
 agtgagggat caa 253

<210> 28346
 <211> 139
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

002250"CTT560

<223> Clone ID: 700894732H1

<400> 28346

ctagggngaa ttatnttggc acacgttagc ctncngcacc tngttgagna acngttgggg 60
gtcnttgnaa ccctnntttt aaaaatgttn aaggggagca aggaaccata aggtncctccg 120
ntgggnccac aaacccttt 139

<210> 28347

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700894738H1

<400> 28347

agcagaagca tggtgaagag ttagttcgat taccggattg ctccctttgt cacactcctt 60
cccctgaggc tggctctgtt tgtccaactc ctgctctttc caatggcttc gttacatttg 120
gtagttttta caatcttgcc aagattacac ccaaggtact gcaggtctgg gcaaagatac 180
tatgtgcaat tccaaattct cgtcttgtgg tgaaatgtaa accgttttgc tgtgatagtg 240
tgagacagag g 251

<210> 28348

<211> 193

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700894740H1

<400> 28348

gccgtcgccg ccggctacgc ctccgccgac gacgccgctc ctcagaactc cgggcgccac 60
cgcgagcgcg agcgaanagc gaggagtcc gtggacggag gaagaacaca agttgttttt 120
ggttggattg cagaaagtag ggaaaggtga ttggagagga atctccaaaa actacgtcaa 180
aacgcgaact ccg 193

<210> 28349

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700894751H1

<400> 28349

ctctgctccg aagactccga agcggagaaac ctgcttacac cgaagtccac gagggctctct 60
atgtcggtgg ctggccatcg tcgcctcaga agctgccacc tggcgatccc gccatcggtg 120
attgcacgtg cgagttcccg cgtgtgaagg atttcactac ggggttgccct taccggtgct 180
ttccgacgtg ggacacgagg tcgcctcaac ccgctgatat cgaatccgct gttaagtggg 240
catctcgaca ga 252

<210> 28350

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894757H1

<400> 28350

atcttgcgag gcaatcccat tctcatcttc catttccacc atcaatacta ttttcttgtc 60
gttgagaagc ttgcggaacg aaagcaaaga accctagacc gtcacagaac cattccatag 120
ccatgtctgg tgttgccct ctttctcagg attgggaacc tgtcgtcctc cgcaagaagg 180
ctcccaccgc cgccgccaag aaggacgaga aagccgtcaa cgccgcccgc cgctctggcg 240
ccgaaatc 248

<210> 28351

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700894758H1

<400> 28351

cagaagggtg gaacaatgcc taataaaata aagcattgtt tagatctcgt aaagcttacg 60
aggtttaata ttttatcttt attaacctta cagtatgtgg cgtgagagtt tgagaatcat 120
gctgcagaag ggttttagagt gatagttgca tgagtatttt aatttctcaa gataactgaat 180
tggaagaaag tttccaacat aggctgttga atctttatgt atcatgcatg cttaataatc 240
tattcaa 247

<210> 28352
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894765H1

<400> 28352

cgattcctca gttttgaaga aaattggatg ctgctcaaac tagatgcac atctatggca 60
 gttgggtttt gtagactggt tcattcttga aatgcctaca ctggaatcgt gatatcatgt 120
 agaataaggc tagtcttgca tattgttttg aatttacaat ttacaagcat catccataca 180
 taggattatg tttccgtgaa acggtcattc taaagacgtg cttgaaacaa ataggtctac 240
 atcaaagttc atatag 256

<210> 28353
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894766H1

<400> 28353

atctgatctg agagaatggc tcctcgggtc agcagcaagg acgccaaga ctttttccgc 60
 gctctttggt ctgcttatgc tgcaaccccc actaatctca agatcattga tctctatgtc 120
 atctatgccg tattcaccgc tttcatccag gttgtttaca tggctttggt tggatcattt 180
 ccatttaact ccttctatc aggagtactt tcttgtgtag gaactgctgt tcttgcgtgt 240
 tgtctcagga t 251

<210> 28354
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894771H1

<400> 28354

ctgtagcgac ccgagggggc ttcttttagt ctacgattac atccctaacg gaaccctagc 60
 ggaacacctg cataaccgta agggctcgct gacgtggcag gtgaggctcg acatcgcggt 120

gcaaacggcg ttagcgatgg agtatcttca cttctcgggtg gtgccgccga ttgtgcacag 180
 ggacataacg tcgtcgaata ttttcgtgga gagggatatg aggattaagg ttggggattt 240
 tggac 245

<210> 28355
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894777H1
 <400> 28355

atgatttggt gctgtaacaa gatggatgct actacaccaa agtactccaa ggccaggtat 60
 gatgaaattg tgaaggaagt ttcttcctat ttgaagaaag taggatacaa ccctgacaag 120
 attccttttg ttcttatatc tgggttttgag ggagacaaca tgattgagag gtccacaaac 180
 cttgactggg acaagggtcc tactctgcta gatgcacttg accagatctc tgagcccaag 240
 aggcctt 247

<210> 28356
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894783H1
 <400> 28356

ggatttgcta ttggtaatgg attaaccaat cctgaaattc agtaccaggc gtatacagac 60
 tacgcattag acaggggact aattaaaaag gctgaatata acagtatcaa caagttgatc 120
 ccaccatgca agcaggccat agaagcttgc ggaactgaag gtggagaaac atgcgtatct 180
 tcattatatg tttgcaataa gatattcaat cggatcatga ccattgctga tgatgttaat 240
 tactat 246

<210> 28357
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894788H1

002220-CTT560

<400> 28357

cgagtaccta gctgctgagg tgcttgagtt ggctgggaat gctgcacgtg acaacaagaa 60
gaacaggatt attccgagac atgtgctatt ggctgtgagg aacgatgagg agttggggaa 120
attgcttget ggtgtcacca ttgcacatgg tgggtgtgctt ccaaacatta accctgtttt 180
gttgccctaag aagacggaga gggctgccaa ggagcctaag tctccatcca aggctactaa 240
a 241

<210> 28358

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700894795H1

<400> 28358

gttgtgaaca agttcaaacc caagaccctt tacgttggtg gatgcctgct caacacaaag 60
atcactgggg atgatgctcc aggagaaact tggcacatgg tcttcagcac cgaggagag 120
attcettaca gagaaggaca atcaattggg gtaattcctg atggtgttga caagaatggc 180
aaacctcata aactgagatt gtattctatt gctagcagtg ccattgggtga ttttgagat 240
tccaagact 249

<210> 28359

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700894808H1

<400> 28359

gttgtaactc gttcttcttc ttttggtgtt ctgtgttgtt gtttggtttt tctctcact 60
gaaaatgtct tgctgcggtg gtaactgtgg ttgcggaagc tctgcaagt gcggcaacgg 120
ctgcgagggc tgcaagatgt acccagactt gagctacact gagtcaacca ccaccgagac 180
cttggtcatg ggagtggcac ctgttaaggc tcaatttgag ggtgctgaaa tgggtgtgcc 240
cgctgagaac g 251

<210> 28360
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700894836H1

<400> 28360

aagagagaga aagagataga tagttagaga gagagcagag acaccgttcg gtgctccgct 60
gaattcgggt gtggcccctg cgctccgctg caattttaca ctcaaaagga cctcatgtct 120
aacatagagg agaacaaaga tctgggacag atggacgtgg atgcatctga tgagtcagct 180
aacatgccat cccccaaaa gcaggaggag tctgtaaaga aaaagtatgg aggaatgctg 240
cccaaaaagc 250

<210> 28361
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700894857H1

<400> 28361

aaccgagtta actcactaac aatcacatgg cttctgaact caccaaactg atccttccat 60
ggaaagttag cttactcatt tccctccttt ccaccctcgc cgacacctct cgccgctcca 120
acgccaccat caaccgccgc ctctttaacc tcgctgaccg ccagtcactg ccaaacccca 180
ccccgctcga cggcgtttcc tccctccgacg tcaccgtcga tcccgcgcgc aacctctggg 240
tccgc 245

<210> 28362
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700894873H1

<400> 28362

attgatgatc atcacacaaa tgaagacgtt gcccttgcta ttggaacagc tttgctgcat 60
gcccttggtg ataggaaggg tattaaccgg tttggtaact tctctgctcc tcttgatgaa 120
gcattgatac atgtttcact ggatttgtct ggccgaccac atctaagta taatttggac 180

ataccactc agaggggttg gacatatgat actcagttgg tggagcattt cttccaatcc 240
c 241

<210> 28363
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700894881H1

<400> 28363

tgctgagatg ggtaccatgt tccctgaaaa cagtgggttat gtggtttggg tttcatctgc 60
tttgggtccc ttttgggggt ttcagcaagg ttggatgaaa tggcttagtg gggatgata 120
caacgcatta taccctgttt tatttcttga ctatctgaag tcaggaatcc cggctttagg 180
tggtgggttt cctagagttg ttgcaacatg gggctctgact atagttctca cttacttgaa 240
cta 243

<210> 28364
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700894883H1

<400> 28364

aaaaaaagta aagaatttgc tttgcgagga agtaagtagg agatgctctg aactttcaaa 60
tttgtacaac cctaggaag agaagaagaa ggttcaaaat caatccattt ttcatttcga 120
aagatcgtga tgcgaatgtc cctctccacc gtgaggcagc ggcgctcgga gccgtctgat 180
ccgtcgccat cagaaccgta cacgaagctg gacaagcccg agaaagcgga ggagaaagac 240
g 241

<210> 28365
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700894887H1

<400> 28365

gccaaatatg gcattgatgg gtcagctttt cctgaataaa accatagagt ggtcagagtt 60
 tcaggatgca gtggttgaag gtcacaaaaa tagacaaggc gaaccaaggc tgaggaagcc 120
 aaaacaatca atatatacat atccagctcc tgattgcatg tgccaagctt agtgactagt 180
 agtataactta aattattatt gctcacgatg tagcctgtgt attttatagt tcggtgtc 238

<210> 28366
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894894H1
 <400> 28366

cttctgtagt taatttgctt cccctttttc aactcactc tcactaaatg gcttcctctg 60
 ttgcttttagt tttgggtcta tgtctagcac tcaacatggc tctgccgaca cgtgcagcta 120
 cccacacagt gggagacacc tcaggttggg cactcgggtgc tgattacagt acatgggcca 180
 gtggcttgaa attgaaagtc ggagatagtc ttgttttcaa ttatggggct ggtcacaca 239

<210> 28367
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894906H1
 <400> 28367

cttggtttatt atcgtgtata tattgagaag atacatgcct atctatcatc atttcgtag 60
 caaattttctc aaacttttctc tcaagatctg aaaccactct gatggagcaa agtaaggaga 120
 aaaatgctcc ttggttatca gtgccacagt ttggggactg ggatcagaag ggacaagtgc 180
 cagactactc tctagatttc tctaaaattc gggaaatgag gaagcaaaac aagacaaata 240
 tttcaagggc aagtcttggt a 261

<210> 28368
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894907H1

<400> 28368
 ggtgaaccaa acacaaaatt ccatccacca cttctctttt caatccccaa ctcaaactcg 60
 tgaagaaaat ctcaatttct aaattgtaat tcttagcact actgctagta gtagtaaaaa 120
 aaaacaatta gaaagtagta gagtggtttt ttttctttt ttcgtttggt ttacttttaa 180
 gatgggtgag aagagcaacg ttggcggcga cgcgattaac acgacactgc ttcacgggaa 240
 gtacgagctg ggccggctgt t 261

<210> 28369
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894910H1

<400> 28369
 agggaattga tttctactcc actgttactc gtgccagatt tgaggagctc aacatggatc 60
 tcttcaggaa atgtatggag ccggtggaga aatgtttgag ggatgctaag atggacaaaa 120
 gaagtgttga tgatgttgct cttgttggtg gttctaccag aattcccaag gttcaacaac 180
 tgctgcagga cttctttaat ggaaaagagc ttgcaagag cattaatccc gatgaggctg 240
 ttgcatatgg tgcggctgt 259

<210> 28370
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894918H1

<400> 28370
 cttaaggttt caaacctagg aagttggaag tcatggcagc aacattgatg gcagcaacaa 60
 caagttctgg tactcttaaa gcaactcctt tccttggccca aggcaagggt gccaatgcc 120
 atgctcttag ggatgttgct tccatgggaa ctgggaagta caccatgggc aatgatttgt 180
 ggatggacc agacagagtg aaatacttgg gacccttctc agctcagacc cttcactact 240
 tgaaaggaga attccctgg 259

<210> 28371
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894922H1

<400> 28371

tttctccttt cgttttagcaa caacaacaat ggttgcagcc aagaaaacca agaagacca 60
 tgagagcatc aacaacaggc tcgctcttgt catgaagagt ggaaaattca ccctcgggta 120
 caagacgggt ctcaaatac ttaggagctc caaagggaaa ttgattatca ttgctaacaa 180
 ctgccccctt ttgaggaaat cagagattga atactatgct atgttggcca aggttggagt 240
 tcatcattac aatggga 257

<210> 28372
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894924H1

<400> 28372

cataactgaa caaacaagc aaccctatgt cgaaggtggt ttgtgtcacc ggagccagt 60
 gcgccattgg atcatgggtg gccctcctcc tcctccagcg tggttatacg gtccatgcc 120
 ccgtccaaga catcaaggat gaaaatgaga cgaaacattt ggaggaaatg gaaggagcaa 180
 agagtcgtct ccattttttt gaaatggatc ttcttgacat cgactccatt gccgctgcc 240
 taaagggttg ctccggc 257

<210> 28373
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894935H1

<400> 28373

tggttggtgct ggggtttttg agaggaagga ccaggatgca atttttgccg ctgttgaaac 60
 cattgcgcaa aaagcaaagc ttgtcagacc tgactggaat ggccttaagc ttttacttct 120
 ccatgctgcc caggctgctg cccttgacct tggacttggt ccacaatctg agaaaagcct 180

tgagtctgca aaatttgtat atttgatggg tgctgatgat gtaaacttag acaagatccc 240
agatgatgct tttgtt 256

<210> 28374
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700894968H1

<400> 28374

agacacatca catatatcat tttagcataa tacatggcag atcttcaaca aaaactggat 60
gctctgaagg gtcttgttgg tgtgctaaat agcatggatg aggggtgaaac tcacaacaat 120
gcaacttcac ccaataaacc ccataatcct actcctatgc ctggaaggaa tcaactcaatt 180
ggaaaatata acaacagtgg cactcagaag atcaaaggtc tgagtaacca aacgggcttc 240
accgaag 247

<210> 28375
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700894970H1

<400> 28375

caggagagga acgctgcatt gcttgcaaac tttgtgaagc tatatgtcct gcacaagcaa 60
tcacaattga ggctgaggag cgagaagatg gaagccgcag gacaactcgg tatgatattg 120
acatgaccaa gtgcatttat tgtggatttt gtcaagaggc atgccctggt gatgcgattg 180
ttgaagggcc aaactttgaa tttgctacag agactcatga ggagctttta tatgacaagg 240
agaagctg 248

<210> 28376
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700894978H1

<400> 28376

tatggaaggc cttccaagaa tatagtaatt cgaaaccttg ttgttcgctc taacgtcagt 60
gctggcatct caataggcag tgagatgtct ggtggggat ccaatgtcct ggtggagAAC 120
attcttgtat gggaatcaag gcgtgccatg agaatcaaga ctgctccagg aagaggcgga 180
tatgtgcggc aaataacata caaaaatcta atgttaaaaa atgtgcgcgt tggaattgtg 240
atcaagacag attaca 256

<210> 28377
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700894991H1

<400> 28377
ccgaggagac acaccttcag cagcagcagc catggttctc aaaaccgaac tatgccgatt 60
cagcgggtgcc aagatctacc cagggaaagg catcagattt gttcgtggtg attctcaggt 120
tttctgtttt gctaactcga aatgtaagag gtatttcac aacaggttga agccatcaaa 180
gtcacctgg actgcaatgt acagaaagca acacaagaag gacattgctc aagaagctgt 240
gaagaaaag 249

<210> 28378
<211> 253
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700895010H1

<400> 28378
cctttctctc tcctctcttt cctctctctt ggaacaaacg acaagttatg gtagtatttg 60
tcattcattt cacaaaactg gttcacnttt ggacccatgg cttctaaaaa ctccacgttg 120
ttccagtctc gcttcttcct ctteggttc tattgctggg actgggagtt tctcaccgct 180
cttctctctt ttagttcttc ttctaatca aataaccttc tccaccatac ataaaccttt 240
ttttttttgt ctt 253

<210> 28379